

Diamond Alkali Co. NJD980528996 8.1.2 Passaic Valley Sewerage Commissioners

Passaic Valley Sewerage Commissioners Response to Request for Information USEPA, Region 2

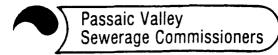
Item No. 9
PVSC Monitoring Report/1992

Document order #27

0215

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

Page 1 of 1	MONITORING REPORT	- TRANSMITTAL SHEET
	N15052 NC.	REPORTING PERIOD MG. YR. MG. YR.
	[0,0,2,1,0,1,6]	[0,1,9,2] THRU [0,1,9,2]
PERMITTEE:	Name Passaic Valley Sew	erage Commissioners
	Address 600 Wilson Avenue Newark, New Jersey	07105
- 1. a—.	NamePassaic Valley Sew	
FACILITY:	Address 600 Wilson Avenue	
	Newark, N.J. 07105	(County) Essex
	Telephone (201) 344-1800	* For reporting period 1/92 ** For reporting period 12/91.
FORMS ATTACH	1ED (Indicate Quantity of Each)	OPERATING EXCEPTIONS
SLUDGE REPORT	- Sanitary	YEZ NO
1 T-VWX-00	ليا ليا	DYE TESTING
* SLUCGE REPORT:	** ** LAIRTZUONI - 2	TEMPORARY BYPASSING
T-VVVX-01	8010-XWV-T	MONITORING MALFUNCTIONS
WASTEWATER RE	PORTS	UNITS OUT OF OPERATION
T-VWX-01	1 T-VWX-012 T-VWX-013	OTHER
RETAWONDORD		(Desail any "Yes" on reverse side (in appropriate space.)
NPOES DISCHARG	DE MONITORING REPORT	NOTE: The "Hows Attended at Plant" on the reverse of this sheet must also be completed.
AUTHENTICAT	information submitted in this doc of those individuals immediately r submitted information is true, acc	t I have personally examined and am familiar with the nument and all attachments and that; based on my inquiry responsible for obtaining the information, I believe the nurate and complete. I am aware that there are significant remation including the possibility of fine and imprisonmen
LICENSED OPE	946420002	PRINCIPAL EXECUTIVE OFFICER or DVILY AUTHORIZED REPRESENTATIVE
Name (Printed)	Phil Habrukowich	Name (Printed) Carmine T. Perrapato
Grade & Registr	y No. NJ S-4 #3972	Title (Printed) Executive Director
Signature	HUS X.	Signature Carmi Parapale (1)
Oar e	2/24/92	Dun F.J. 45. 1595



DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR. THOMAS J. CIFELLI DOMINIC W. CUCCINELLO RONALD W. GIACONIA JAMES KRONE FRANK ORECHIO COMMISSIONERS

600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951

CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

DOMESTIC WASTEWATER SLUDGE REPORT

	DISCHARGE PERMIT	NO.	REPORTING PE		REPORTING CATEGORY			
		ا لة	الالا المال	9 2	5		Page	1 of 2
FACILITY NAME:	Passaic Valley	Sewerage	Commission	ers				
A. REPORTING	CATEGORY INFORM	IATION						
1. Permitted W	astewater Flow		(MGD)		A 1:		[3]3]	0.01
2. Industrial Co	ontribution		(% of influ	ent)	A2:		L	1 8
3. Average Dail	ly Septage Treated		(Gallons/D	ay)	A3:		2 1	2 9
B. INFORMATION	ON ON SLUDGE PRO	DUCED IN	TREATMENT	PROCESSE	S			
1. Average Tou	al Solids of Sludge		(% by weight	tht)	B 1:		•	7 • 4
2 Average Dail	ly Sludge Production		(Gallons/D	ay)	B2:		8 1	7 3.
3. Average Dail	ly Sludge Production	···	* (Dry Tons/I	Day)	B3:		3 9.	0 3
**C. INFORMAT	TION ON SLUDGE RI	EMOVED F	OR ULTIMATI	E MANAGEN	MENT			
•	NLY If Liquid Sludge Is Re	moved:				•		
	ids of Liquid Sludge		(% by wei	,	C1:		لــا	
_	Daily Sludge Removal		(Gallons/D	ay)	C2:			
•	VLY If Dewatered Sludge I ids of Dewatered Sludge	s Kemoved:	(% by wei	abt)	C3:		151	7.41
	ONE of the following:		(70 by well	gui,	C 3.		<u> </u>	
	age Daily Sludge Remova	l	(Gallons/D	ay)	C4:			
Tota	d Solids of 2.b.i.		(% by weig	ght)	C5:			
ii. Aver	age Daily Sludge Removal	i	(Wet Cu. Y	(ds./Day)	C6:			
iii. Aver	age Daily Sludge Remova	I	(Wet Tons	(Day)	C 7:	L	12141	2.4
3. Total Averag	ge Daily Sludge Removal		* (Dry Tons/	Day)	C8:		1319.	0 3
4. pH of Sludge	e Removed .		(Standard U	Jnits)	C9:		Ш	6.5
D. ULTIMATE S	LUDGE MANAGEME	NT SITE (See Codes on F	Reverse)				
METHOD CODE	HAULER REGISTRY		FACILITY/OP	ERATION		P	ERMIT N	۷0.
لا لاا	171214141 0	lu II I c	OFF ST	A T E				
							111	
						Ш		
E. PATHOGEN F	REDUCTION INFORM	ATION (S	ee Codes and (Complete Rev	rerse)			
METHOD CODE	FACILITY	OPERATIO	N .	PER	RMIT NO.	F	OR DEP I	USE ONLY PFRP
[H]	PASSALIC	V A I	LEY	0 0 1 2	[1 0 1 6			
لسا								
				– Ш				
CERTIFICATION	OF AUTHENTICITY	946 	420004	2	- SAI 1	- 11		
Arthur A. Mai		ef Chemis	st	Signature	a Marte	ulk	2- Date	24-92
	Passaic Valley Sew	verage Con	nm. Cert.	No07	250			

Equations for calculation of Dry Tons are on back of form.
 To be reported only if sludge is removed from Treatment Works site during the reporting period. If none removed, so state in Section D.

				·
PATHOGEN REDUCTION METHOD CODE	(Appropriate secti	ions must be o	completed)	
A. Anaerobic Digestion; or B. Aerobic Digestion; complete the following: 1. Percent Volatile Solids:	UNIT 1	UNIT 2	UNIT 3	
a. Before Stabilization (as weight % of TS)				•
b. After Stabilization (as weight % of TS)				*
c. Percent Reduction (see equation)	<u> </u>			
2. Detention Time (Days)				
3. Average Temperature (Degrees C)				
C. Air Drying (Report on any beds emptied for the rep	on period)			
BED DATE SLUDGE LOADED Month Day Year	DEPTH POURE	D DA1 Mont	TE SLUDGE REMOVED	
1.		<u></u>		
2.				j
3.		LL		
4.				
5.				_
D. State Approved Lime Stabilization E. Thermal Treatment/Drying				
F. Phragmites				
G. Composting H. Other (specify here:Wet Air Oxidation)		
I. None				····
ULTIMATE SLUDGE MANAGEMENT METHO	OD CODE			
1. Land Application at a NJPDES Permitted Site				
2. State Approved Distribution Permit 3. Incineration				
4. Ocean Disposal				
5. Out of State		D		
6. Residual Not Classified as Sludge, Managed by Hazz 7. Other (specify here:	irdous of waste riow	Kegs.		
8. None Removed				
EQUATIONS				
A. Dry Tons = Gallons (wet) X Solid Content (of the 240	gallons)			
B. Dry Tons = Cubic Yards (wet) X Solid Content (o (Y)	f the cubic yards)			
y = 1.185 where solid content is le				
= 1.265 where solid content is 1 = 1.58 where solid content is 24				
= 1.9 where solid content is great				
C. Dry Tons = Tons (wet) X Solid Content (of the w	ret tons)			
D. Volatile Solids Reduction = VS before X VX before— (VS b		X 100		
NOTE: The total and volatile solid contents in the above	e equations must be ex	xpressed as a dec	imal, for example:	

1% Total Solids = .01

20% Total Solids = .20

New Jersey Department of Environmental Protection Division of Water Resources

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

	DISCHARGE PERMIT	NO. REPO	ORTING PERIOD Yr.	REPORTING CATEGORY	
	0 0 2 1 0 1 6	5] [1]2	1 9 91	5	[2]
FACILITY NAME:	Passaic Valley S	Sewerage Commis	sioners		
_	G LOCATION: Filter			te Dumping_	
PARAM	ETERS	TORET	TOTAL PHA		NONE
<u>Metals</u>		CODE	(dry weight basis,	mg/kg)	DETECTED
Arse	nic	01002		3.2 8	
Bery	llium	01012		0.7[2]	_ * _
Cadn	nium	61527	1 1 1 1 1	7.9	
Chro	omium	61512	[] [5] 4]	9. .	
Copr	per ·	61506	1 7 5	5 6	
Iron		01045	[] 7 8 2	0.11	
Lead		61503	1 1 0 7	5 1 1	
Merc	curv	01260		2.0181	
	ybdenum	01062		4.21	_ *
Nick		61515	1 1 1 71	5.2	
Seler		61518		0.6[1]	_ *
Zinc		61509	[] [1[2]0]:	2	
Selected	Chemical Parameters	_			
Total	l Nitrogen	00625	11 3 7 7 8	3.	
Amn	nonia Nitrogen	71845	1 14 91	3.	
Nitra	ne Nitrogen	71850		1.5 8	
Oil a	nd Grease	00550	11112877	5	
Phen	nois	46000	1 1 1 310	8 1	
Phos	phorus	00665	1 17181010		
Calc	ium	00916	11/5/2/6/0		
Mag	nesium	00927	2 4 3 6	5.1.1	
Potas	ssium	00937	1 1 14 13 14	<u>4</u>	
Суал	nide	00720		2.7131	
Fluor	ride	00951		1.91	
Chlo	nide	00940	1 1 11716	5	
CERTIFICATION	OF AUTHENTICITY				
Arthur A. Mart	tinelli Chi	ef Chemist	Signature Signature	1. Wartund	2-24-92 Date
Name of Authorized A				07250	2
Laboratory Name	Passaic Valley S	ewerage Comm.	Cert No	01230	

TOXIC ORGANIC COMPOUNDS REPORT - DOMESTIC

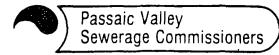
CHECK		7 NO.	REPORTI Mo.	ING PERIOD Yr.	REPORTING CATEGORY	
	[0 0 2 1 0 1	6	[1 [2]	1 9 9 1	_5]	[3]
FACILITY	NAME: PASSAIC VALLEY	SEWERAGE C	COMMISSIO	NERS		
	SAMPLING LOCATION:FI					
	PARAMETERS	STORET CODE		TOTAL I	PHASE asis, mg/kg)	NONE DETECTED
	Pesticides and PCB's Aldrin	39330	į	1111	0.1 0 0	[*]
	Chlordane	39350	[0 1 0 0	<u> </u>
	Dieldrin	39380	-		p 1 0 0	<u> </u>
	DDT	39370	L		b .2 5 0	<u> *</u>
	Heptachlor	39410	Ĺ		0.0[5]0	<u>*</u>
	Lindane	39782	Ĺ	1 1 1	0.015101	<u>*</u>
	PCB's	39516	L		0 5 0	<u> * </u>
	Toxaphene	39400	L		11.0 0 1	<u>*</u> _
	Purgeables					
	Benzene	34030	L		10.015 101	*
	Carbon tetrachloride	32102	L		10.015 101	<u> </u>
	Chlorofonn	32106	L		10.015 101	*
	Methylene Chlorica	34423	L		10 9 7 9	
	Tetrachloroethylene	34475	Į.		10.015101	*
7661	Trichloroethylene	39180	Ĺ	11.11	0.01510	<u> *_</u>
_	Vinyl chloride	39175	L		0 1 0 0 1	<u> *</u>
FEB	Base/Neutrals and Acids					
11-	Benzidine	39120	Ĺ		5 4 0 4	[*]
	Benzo(a)pyrene	34247	[·	1 2 8 1 1	*
	Bis (2-ethylhexyl) phthalate	39100	L			*
	Hexachlorobenzene	39700	L		<u>- 1 8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>	<u> * </u>
	Hexachlorobutadiene	39702	L			*
	N-nitrosodimethylamine	34438	Ĺ	1 1 12	2 5.6 2	*
		 				<u>.</u>
CERTIFI	CATION OF AUTHENTICITY	<u>Y</u>			N /	_
CANDY I	O. CRUZ ASS LABC	ISTANT RATORY MAI	NAGER	Cand	JD. Cenz	2/7/92

Laboratory Name PRIORITY ONE TESTING LABORATORY, INC.

Name of Authorized Agent (Print)

Cert No. <u>09399</u>

946420007



DONALD TUCKEF. CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR. THOMAS J. CIFELLI DOMINIC W. CUCCINELLO RONALD W. GIACONIA JAMES KRONE FRANK ORECHIO COMMISSIONERS

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ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

DOMESTIC WASTEWATER SLUDGE REPORT

	DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY		
	0 0 2 1 0 1 6	0 1 1 9 9 2	5		Page 2 of 2
FACILITY NAME:	Passaic Valley Sewe	rage Commissioners			
A. REPORTING	CATEGORY INFORMATI	ION	 		
1. Permitted W	astewater Flow	(MGD)	A1:	Ľ	3 3 0 . 0
2. Industrial Co	ontribution	(% of influent)	A2:		1 8.
3. Average Dai	ly Septage Treated	(Gallons/Day)	A3:	لللا	2 1 2 9 .
B. INFORMATION	ON ON SLUDGE PRODUC	ED IN TREATMENT PROCESS	ES		
1. Average Tot	al Solids of Sludge	(% by weight)	B1:		4 6 • 2
2 Average Dai	ly Sludge Production	(Gallons/Day)	B2:	1 6 3	3 7 4 9
3. Average Dai	ly Sludge Production	* (Dry Tons/Day)	B3:	[3]	1 5 • 1 6
**C. INFORMA	TION ON SLUDGE REMO	VED FOR ULTIMATE MANAGE	EMENT		
•	VLY If Liquid Sludge Is Remove			•	
	ids of Liquid Sludge	(% by weight)	C1:		
<u>-</u>	Daily Sludge Removal	(Gallons/Day)	C2:		
•	VLY If Dewatered Sludge Is Ren ids of Dewatered Sludge	noved: (% by weight)	C3:		4 6.2
	e ONE of the following:	(% by weight)	CJ.		<u> </u>
	age Daily Sludge Removal	(Gallons/Day)	C4:		
Tota	d Solids of 2.b.i.	(% by weight)	CS:		
ii. Aver	age Daily Sludge Removal	(Wet Cu. Yds./Day)	C6:		1 - 1
iii. Aver	age Daily Sludge Removal	(Wet Tons/Day)	C 7:		6[8] 2.3[
3. Total Averag	ge Daily Sludge Removal	* (Dry Tons/Day)	C8:	[]3]	1 5.1 6
4. pH of Sludge	-	(Standard Units)	C9:		1 0.3
D. ULTIMATE S	LUDGE MANAGEMENT S	SITE (See Codes on Reverse)			
METHOD CODE	HAULER REGISTRY	FACILITY/OPERATION		PER	RMIT NO.
	17 2 4 4 4 10 U	TI O F S T A T E		1 1 1	1111
				1 1 1	
	<u></u>				
			<u></u>		
	REDUCTION INFORMATION	ON (See Codes and Complete R	everse)	505	2 050 465 0244
METHOD CODE	FACILITY/OPE	RATION PI	ERMIT NO.		R DEP USE ONLY SRP PFRP
H	PASSAIC	VALLEY OO	2 1 0 1 6	 	
			1111	1 L	
<u> </u>	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1		
-	OF AUTHENTICITY	An 1	TH.	· ·	
Arthur A. Mar		nemist Ulfa. Signature	Che Martin		2-24-92 Date
	assaic Valley Sewerag	,	7/ 250	L	
appraiory Name		CCIL NO.		9464200	009

Equations for calculation of Dry Tons are on back of form.
 To be reported only if sludge is removed from Treatment Works site during the reporting period. If none removed, so state in Section D.

PA	ATHOGEN REDUCTION METHOD CODE (Appropriate sections must be completed)
A.	Anaerobic Digestion; or
B.	Aerobic Digestion; complete the following: UNIT 1 UNIT 2 UNIT 3
	1. Percent Volatile Solids: a. Before Stabilization (as weight % of TS)
	a. Botolo Giaonizatori (az worgin vo di 15)
	b. After Stabilization (as weight % of TS)
	c. Percent Reduction (see equation)
	2. Detention Time (Days)
	3. Average Temperature (Degrees C)
C.	Air Drying (Report on any beds emptied for the report period)
	BED DATE SLUDGE LOADED DEPTH POURED DATE SLUDGE REMOVED
	Month Day Year Inches Month Day Year
	2.
	3. <u> </u>
	4.
	5.
E. F. G. H.	State Approved Lime Stabilization Thermal Treatment/Drying Phragmites Composting Other (specify here: Lime Stabilization) None
1. 2. 3. 4. 5. 6. 7.	TIMATE SLUDGE MANAGEMENT METHOD CODE Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Hazardous or Waste Flow Regs. Other (specify here:) None Removed
EO	<u>UATIONS</u>
A.]	Ory Tons = Gallons (wet) X Solid Content (of the gallons) 240
В. І	Ory Tons = Cubic Yards (wet) X Solid Content (of the cubic yards) (Y)
	y = 1.185 where solid content is less than 15% = 1.265 where solid content is 16% to 23% = 1.58 where solid content is 24% to 29% = 1.9 where solid content is greater than 30%
C ,	
	Ory Tons = Tons (wet) X Solid Content (of the wet tons) Volatile Solids Reduction = VS before X VS after X 100 VX before— (VS before X VS after)
NIOT	The total and volatile solid contents in the above equations must be expressed as a decimal, for example:
NO	ration ne total and volatie sond contents in the above equations must be expressed as a decimal, for example:
	1% Total Solids = .01

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PE	RMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY	G Y
0 0 2 1 0	[1]6]	1 2 1 9 9 1	5	2
FACILITY NAME: Passaic Val	lev Sewerage (Commissioners		
SLUDGE SAMPLING LOCATION: _			e For Out	of State Dumping
	•			
PARAMETERS	STORET CODE	TOTAL PHA (dry weight basis,		NONE DETECTED
<u>Metals</u>	01000	1 1 1 1 1 12	3151	1 1
Arsenic	01002		9 1	L; *1
Beryllium	01012		. 2 5	1 1
Chamium	61527	4 5 5		<u> </u>
Chromium	61512		 	ابنا
Copper	61506	3 6 6 0	<u></u>	1 1
Iron	01045	1 1 151713		<u> </u>
Lead	61503			
Mercury	01260		1 8	<u></u>
Molybdenum	01062	<u> </u>	3 0	
Nickel	61515			
Selenium	61518	<u> </u>	6 9	_*
Zinc	61509	[] [5 2 3		
Selected Chemical Para	meters			
Total Nitrogen	00625	2 8 2 7 4		
Ammonia Nitrogen	71845	1 111714	للم	
Nitrate Nitrogen	71850	_	2	
Oil and Grease	00550	[]7]1[8]9[5		
Phenois	46000	1 1 2	3 5	
Phosphorus	00665	[] 3 9 9 9 0		
Calcium	00916	11318131010		
Magnesium	00927	[] 2 3 0 4		
Potassium	00937	[] [7] 2 [3		
Cyanide	00720	[3 4	
Fluoride	00951	[5	
Chloride	00940	1 7 5 5 0	للم	<u> </u>
reprinte artosi de atimitesim	CITY		•	
CERTIFICATION OF AUTHENT	CILI	Act	7) 71	<u> La</u>
Arthur A. Martinelli	Chief Chemis	Signature	u Marlin	2-24-92 Date
			07250	
Laboratory Namepassaic Vall	ey Sewerage C	Cen No		

TOXIC ORGANIC COMPOUNDS REPORT - DOMESTIC

	TOXIC ORGA	INIC COMITOO	ADS KET OKT - DOMESTIK	∸ .
CHEC REVI		NO. REPOI	RTING PERIOD REPORTING Yr. CATEGOR	G Y
	0 0 2 1 0 1	6 1 2	1 9 9 1 5	[3]
FACILIT	Y NAME:PASSAIC_VALLEY	SEWERAGE COMM	ISSIONERS	
SLUDGE	SAMPLING LOCATION:CENT	RIFUGE SLUDGE (COMPOSITE	-
	PARAMETERS S Pesticides and PCB's	TORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
	Aldrin	39330	1 0 100	*
	Chlordane	39350	[*
	Dieldrin	39380	<u> </u>	<u> * </u>
	DDT	39370	[] [ρ 2 5] 0	<u> *</u>
	Heptachlor	39410	1 1 0 0 5 10	*
	Lindane	39782	0.050	*
	PCB's	39516	[] [] [0 5 [0]]	*
	Toxaphene	39400	11111001	_*_
	Purgeables			
	Benzene	34030	0.0 7 5	*
	Carbon tetrachloride	32102	[] [] [] [] [] [] []	*
2	Chlorofonn	32106	0.01715	<u>*</u>
FEB 1 1992	Methylene Chlorica	34423	0 0 7 5	*
_	Tetrachloroethylene	34475	1 1 1 0 2 4 7	L
89	Trichlorocthylene	39180	1 1 1 1 1 0 0 17 5	<u>[*]</u>
	Vinyl chloride	39175	1 1 1 10 1 14 19	<u> *</u>
	Base/Neutrals and Acids			
	Benzidine	39120	1 1 3 5 2 91	*
	Bcnzo(a)pyrene	34247	17.016	*
	Bis (2-ethyllicxyl) pluhalate	39100	1 1 1 7 0 161	*
	Hexachlorobenzene	39700	1 7 0 6	*
	Hexachlorobutadiene	39702	1 1 1 7.0 61	*
	N-nitrosodimethylamine	34438	1 1 4 1 11	*
				. []
CERTIFI	CATION OF AUTHENTICITY		$\Lambda \wedge \Lambda$	·
	ASSIS	STANT RATORY MANAGER	(adyl). Cy	2/7/9

Laboratory Name PRIORITY ONE TESTING LABORATORY, INC.

Name of Authorized Agent (Print)

Cert No. 09399

946420012

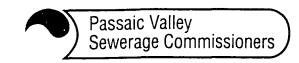
DIVISION OF WATER RESOURCES

Daga 1 of 1	MONITORING REPORT	T - TRANSMITTAL SHEET	
Page 1 of 1	.DN 2505LN	REPORTING PERIOD MG. YR. MG. YR.	
	0,0,2,1,0,1,6	0, 2, 9, 2, THRU [0,2,9,2]	
PERMITTEE:	Name Passaic Valley Sew	erage Commissioners	
	Address 600 Wilson Avenue		•
	Newark, New Jersey	07105	
FACILITY:	Name Passaic Valley Sew	erage Commissioners	•
	Address 600 Wilson Avenue		,
	Newark, N.J. 07105	(County) Essex	,
	Telephone 1 201 ; 344-1800	<pre>* - For reporting perio ** - For reporting perio *** - For reporting perio</pre>	od 1/92
	IED (Indicate Quantity of Each)	OPERATING EXCEPTIONS	2/92
SLUDGE REPORTS		YES	מא""
1 T-VWX-007	7 1 T-VWX-cca 2 T-VWX-ccs	DYE TESTING	
SLUDGE REPORTS		TEMPORARY BYPASSING	_
T-VVVX-010	T-VWX-010B	OISINFECTION INTERRUPTION	•
WASTEWATER REF	PORTS	MONITORING MALFUNCTIONS UNITS OUT OF OPERATION	
T-VWX-011	T-VWX-012 T-VWX-013	OTHER	
A)210-XWV		(Detail any "Yes" on reverse side in appropriate space.)	_
NPOES DISCHARGE	MONITURING REPORT	NOTE: The "Hours Attended at Plant" on teverse of this sheet must also be completed	șhe L
AUTHENTICATIO	of those individuals immediately resubmitted information is true, acc	t I have personally examined and am familiar ument and all attachments and that; based of esponsible for obtaining the information, I burate and complete. I am aware that there a smaller including the possibility of fine and	with the n my inquiry selleve the
LICENSED OPER.	ATOR	PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTATIVE	
Name (Printed)	Phil Habrukowich	Name (Printed) Carmine T. Perrap	ato
Grade & Registry	NJ S-4 #3972	Tide (Printed) Executive Directo	r
Signature Signature	1/2/2/	Signature	
Oate3	<u>/25/92</u> 946420013	3/1/25	

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RONALD W. GIACONIA
JAMES KRONE
FRANK ORECHIO
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

Division of Water Resources

5/89

DOMESTIC WASTEWATER SLUDGE REPORT

	DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY	
	[0]0[2]1[0]1[6]	0 2 1 9 9 2	[5]	Page 2 of 2
FACILITY NAME:	Passaic Valley Sewerage	Commissioners		
A. REPORTING	CATEGORY INFORMATION			
1. Permitted W	astewater Flow	(MGD)	A 1:	3 3 3 0 0
2. Industrial Co	ontribution	(% of influent)	A2:	18
3. Average Dail	y Septage Treated	(Gallons/Day)	A3:	[] [2] 0] 3 [4].
	ON ON SLUDGE PRODUCED I			
	al Solids of Sludge	(% by weight)	B1:	4 3 • 3
•	y Sludge Production	(Gallons/Day)	B2:	1 4 0 4 2 5
3. Average Dail	y Sludge Production	* (Dry Tons/Day)	B3:	2 5 3.3 1
	TION ON SLUDGE REMOVED	FOR ULTIMATE MANAGE	EMENT	
•	ILY If Liquid Sludge Is Removed:	(0) has an inter-	C 1:	
	ds of Liquid Sludge	(% by weight)		
•	Daily Sludge Removal ILY If Dewatered Sludge Is Removed:	(Gallons/Day)	C2:	
•	ds of Dewatered Sludge	(% by weight)	C3:	[4 3.3]
b. Complete	ONE of the following:	-		
i. Aver	age Daily Sludge Removal	(Gallons/Day)	C4:	<u> </u>
Tota	l Solids of 2.b.i.	(% by weight)	CS:	
ii. Aver	age Daily Sludge Removal	(Wet Cu. Yds./Day)	C6:	
iii. Aver	age Daily Sludge Removal	(Wet Tons/Day)	C7:	1 5 8 5 • 1
3. Total Averag	e Daily Sludge Removal	* (Dry Tons/Day)	C8:	[2 5 3.3 1
4. pH of Sludge	Removed	(Standard Units)	C9:	[1]1.2]
D. ULTIMATE S	LUDGE MANAGEMENT SITE	(See Codes on Reverse)		
METHOD CODE	HAULER REGISTRY	FACILITY/OPERATION		PERMIT NO.
5 1	17 2 4 4 O U T	OF STATE		
	لللث لللل			
E. PATHOGEN R	REDUCTION INFORMATION (See Codes and Complete R	everse)	
METHOD CODE	FACILITY/OPERATI	ON P	ERMIT NO.	FOR DEP USE ONLY PSRP PFRP
<u>H</u>	PASSALIC V A	L L E Y 0 0	2110116	
ERTIFICATION	OF AUTHENTICITY .	^		
	Martinelli Chief Chem	ist Signature	The Marke	3-13-92 Date
	assaic Valley Sewerage Co		946	6420015

^{*} Equations for calculation of Dry Tons are on back of form.

** To be reported only if sludge is removed from Treatment Works site during the reporting period. If none removed, so state in Section D.

PATHOGEN REDUCT	TION METHOD CODE	Appropriate sect	ions must be c	ompleted)
A. Anaerobic Digestion;				
B. Aerobic Digestion; co	•	UNIT 1	UNIT 2	UNIT 3
	ion (as weight % of TS)	111	11.1	1.1.•.1
b. After Stabilization		1 1 • 1	1 •	11.1
c. Percent Reduction	•			•
2. Detention Time	(Days)			<u> </u>
3. Average Temperatur	·			
	-			
	any beds emptied for the repor	•	D D. 6	m crince belicites
BED DATE:	SLUDGE LOADED Day Year	DEPTH POURE Inches	D DAT Month	E SLUDGE REMOVED Day Year
1.			1_1_	
2.				
3.				
4.				
5.				
D. State Approved Lime S	Stabilization			
E. Thermal Treatment/Dry				
F. Phragmites G. Composting				
H. Other (specify here:	Lime Stabilization			
I. None				
				
ULTIMATE SLUDGE	MANAGEMENT METHO	D CODE		
1. Land Application at a N	IJPDES Permitted Site	D CODE		
Land Application at a N State Approved Distribution	IJPDES Permitted Site	D CODE		
 Land Application at a N State Approved Distribution Incineration Ocean Disposal 	IJPDES Permitted Site	D CODE		
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State 	JPDES Permitted Site ution Permit		Page	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State 	IJPDES Permitted Site		Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified 	JPDES Permitted Site ution Permit		Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here: 	JPDES Permitted Site ution Permit		Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here: None Removed EOUATIONS	IJPDES Permitted Site aution Permit as Sludge, Managed by Hazar	dous or Waste Flow	Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here: None Removed EOUATIONS	JPDES Permitted Site ution Permit	dous or Waste Flow	Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here:	IJPDES Permitted Site ution Permit as Sludge, Managed by Hazan vet) X Solid Content (of the second content)	dous or Waste Flow	Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here: None Removed EOUATIONS A. Dry Tons = Gallons (w B. Dry Tons = Cubic Yard	IJPDES Permitted Site attion Permit as Sludge, Managed by Hazard vet) X Solid Content (of the second second second content (of the second se	dous or Waste Flow gallons) the cubic yards)	Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here: None Removed EOUATIONS A. Dry Tons = Gallons (w B. Dry Tons = Cubic Yard y = 1.	IJPDES Permitted Site attion Permit as Sludge, Managed by Hazard vet) X Solid Content (of the second second second content (of second	dous or Waste Flow gallons) the cubic yards)	Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here:	IJPDES Permitted Site attion Permit as Sludge, Managed by Hazard yet) X Solid Content (of the 240) is (wet) X Solid Content (of (Y)) .185 where solid content is less .265 where solid content is 24%	gallons) the cubic yards) ts than 15% to 23% to 29%	Regs.	
 Land Application at a N State Approved Distribution Incineration Ocean Disposal Out of State Residual Not Classified Other (specify here:	JPDES Permitted Site attion Permit as Sludge, Managed by Hazard vet) X Solid Content (of the second second second content (of the second sec	gallons) the cubic yards) ts than 15% to 23% to 29%	Regs.	
1. Land Application at a N 2. State Approved Distribut 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified 7. Other (specify here: 8. None Removed EOUATIONS A. Dry Tons = Gallons (w B. Dry Tons = Cubic Yard y = 1. = 1. = 1.	IJPDES Permitted Site attion Permit as Sludge, Managed by Hazard yet) X Solid Content (of the 240) is (wet) X Solid Content (of (Y)) .185 where solid content is less .265 where solid content is 24%	gallons) the cubic yards) s than 15% to 23% to 29% er than 30%	Regs.	
1. Land Application at a N 2. State Approved Distribut 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified 7. Other (specify here: 8. None Removed EOUATIONS A. Dry Tons = Gallons (w B. Dry Tons = Cubic Yard y = 1 = 1 = 1 = 1. C. Dry Tons = Tons (wet)	as Sludge, Managed by Hazard yet) X Solid Content (of the 1240) is (wet) X Solid Content (of 1240) is (wet) X Solid Content is less. 265 where solid content is 16. 258 where solid content is 24%. 9 where solid content is greated X Solid Content (of the weton =	gallons) the cubic yards) s than 15% to 23% to 29% er than 30% tons)	Regs.	
1. Land Application at a N 2. State Approved Distribut 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified 7. Other (specify here: 8. None Removed EOUATIONS A. Dry Tons = Gallons (w B. Dry Tons = Cubic Yard y = 1 = 1 = 1 = 1. C. Dry Tons = Tons (wet)	as Sludge, Managed by Hazard yet) X Solid Content (of the 1240) is (wet) X Solid Content (of (Y)) 185 where solid content is less 265 where solid content is 24% 9 where solid content is greated X Solid Content (of the wet)	gallons) the cubic yards) s than 15% to 23% to 29% er than 30% tons)		
1. Land Application at a N 2. State Approved Distribut 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified 7. Other (specify here: 8. None Removed EQUATIONS A. Dry Tons = Gallons (w B. Dry Tons = Cubic Yard y = 1. = 1. = 1. = 1. C. Dry Tons = Tons (wet) D. Volatile Solids Reduction	as Sludge, Managed by Hazard yet) X Solid Content (of the 1240) is (wet) X Solid Content (of 1240) is (wet) X Solid Content is less. 265 where solid content is 16. 258 where solid content is 24%. 9 where solid content is greated X Solid Content (of the weton =	gallons) the cubic yards) s than 15% to 23% to 29% er than 30% tons) VS after fore X VS after) equations must be es	X 100	mal, for example:

[2]

REPORTING CATEGORY

5

New Jersey Department of Environmental Protection Division of Water Resources

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.

0 0 2 1 0 1 6

REPORTING PERIOD Yr.

011 11 91 91 2

FACILITY NAME: Passaic Vall	ey Sewerage Commiss	ioners	
SLUDGE SAMPLING LOCATION: _	Centrifuged Sludge	(Lime Stabilized) Composite	
PARAMETERS	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
<u>Metals</u>			1 . 1
Arsenic	01002	1 1 1 0 6 2	<u> * </u>
Beryllium	01012	0.84	*
Cadmium	61527	1 1 1 8 0 1	
Chromium	61512	213.1	
Copper	61506	301.6	
Iron	01045	[] 3 1 7 0]	
Lead	61503	1 1 3 6 5 5 1	∟ .
Mercury	01260	1.1 8	
Molybdenum	01062	[] [] [2] [0 . 2]	*
Nickel	61515	1 1 4 3 9 1	
Selenium	61518		_*_
Zinc	61509	5 9 8	
Selected Chemical Para	meters		
Total Nitrogen	00625	2 4 0 0 6 1	
Ammonia Nitrogen	71845	[1 0 0 8,	
Nitrate Nitrogen	71850	1 1 1 1 2 4 1	
Oil and Grease	00550	117131116.	
Phenois	46000	1 1 1 16 16 6 6 12 1	
Phosphorus	00665	1 14 16 10 10 1	
Calcium	00916	1 4 6 7 0 0	
Magnesium	00927	2 6 2 1	
Potassium	00937	[
Cyanide	00720	1 1 1 2 5 2 2 2	
Fluoride	00951	[
Chloride	00940	11 0 3 0 0	
CERTIFICATION OF AUTHENT	ICITY	O 1-	1
Arthur A. Martinelli	Chief Chemist	Certhy Or Mortial	4 3-24-47
Name of Authorized Agent (Print)	Tide	Signatife /	Date
Laboratory Namepassaic Valle	ny Sewerage Comm.	Cert No. 07250	46420017

TOXIC ORGANIC COMPOUNDS REPORT - DOMESTIC

CHECK IF REVISED	DISCHARGE PER	MIT NO.	REPORTING PERIC	DD REPORTING CATEGORY	
	0 10 12 1 0	1.6	Ø1/1 1/19191		[3]
FACILITY NAME:	PASSAIC	VALLEY	SEWERAGE	COMMISSION	
SLUDGE SAMPLIN	NG LOCATION:	CENTRIFUGE	SLUDGE	COMP.	
PARAM	IETERS	STORET CODE	TOTA	AL PHASE nt basis, mg/kg)	NONE DETECTED
<u>Pesticido</u>	s and PCB's	CODE	(a.) weigh	it basis, mg/kg/	
Aldı	່ນາ	39330	4		\mathbb{X}
Chlo	ordane	39350	<	10.010	\mathbb{X}
Diel	drin	39380	< <u> </u>	100/0	1×1
rad	.	39370	< <u> </u>	100/10	\mathbf{x}
Нер	achlor	39410	4111	1 10.01/10	X
Lind	aue	39782	<	1 10.01/19	¥
PCB	's	39516	4111	10.0110	\mathbb{X}
Toxa	phene	39400	<	100/10	X
<u>Purgeab</u>	<u>les</u>				
Benz	eie	34030	4111	10/00	\mathbb{X}
Carb	on tetrachloride	32102	\angle	10/10/0	图
Chlo	rof orm	32106	< _ _	1 10. 100	K
Meti	ylene Chloride	34423		1 10.210101	L
Tetra	chloroethylene	34475		$\frac{10.200}{1}$	
Trick	loroethylene	39180	4111		*
Viny	l chloride	39175	<	10.100	X
Base/Neu	trals and Acids				
Benz	idi ne	39120	<1111	1 12.950	Ľ,
Benz	о(а)рутепе	34247	\leq LLLL	1 0 51910	.
Bis (2-ethylhexyl) phthalai	e 39100		1 18.612101	ليا
Hexa	chlorobenzene	39700	4111	1 10.51910	K
Hexa	chlorobutadiene	39702	 	1 10 519101	凩
N-nit	nosodimethylamine	34438	4111	1 10.51910	T X I
				الللملل	. []

CERTIFICATION OF AUTHENTICITY

Arthur A. Martinelli
Name of Authorized Agent (Print)

Chief Chemist

7::1-

(it has le

2-27-92

Laboratory Name GARDEN STATE LABORATORIES INC.

Cert No. 20044

REPORT #920124151



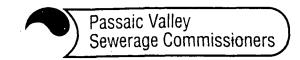
TOXIC ORGANIC COMPOUNDS REPORT

	IOAI	COMUNIC	CONTRO	CINDS IN	CIONI	
	DISCHARGE PERMIT	NO. R	EPORTING I	PERIOD Yr.	REPORTING CATEGORY	
	0 0 2 1 0 1	6] [0) 2 1 9	9 9 2	5	[3]
FACTI ITY NAME:	Passaic Valley S	ewerage Com	missioners	3		
	IG LOCATION:Cent				·	
PARAM	•	STORET		TOTAL P	HASE	NONE
	es and PCB's	CODE		weight bas		DETECTED
Aldr		39330		1 1	0.0110	<u> * </u>
Chio	rdane	39350			0.0 1 0	*
Dielo	drin	39380	LI		0.0 1 0	_*_
DDT	7	39370			0.0 1 1 0	*
• Нерг	achlor	39410			0.0 1 0	*
Lind	ane	39782			0.0110	_*_
PCB	's	39516			0.0 1 0	*
Toxa	aphene	39400			0.0 1 10	<u> * </u>
Purgeab	<u>les</u>					
Benz	zene	34030	Ш		0 1 0 0	_*
Carb	on tetrachloride	32102			0.1 0 0	_*
Chlo	roform	32106			0 1 0 0 0	[*یا
Meth	nylene Chloride	34423			0.1 0 0	_*
Tetra	achloroethylene	34475		1111	0.3 0 0 0	
Trich	nloroethylene	39180	L		0.1 0 0	*
Viny	l chloride	39175			0.1 0 0	*
Base/Neu	trals and Acids					
Benz	idine	39120			3.0 0 0 0	*
Benz	o(a)pyrene	34247			0,610101	
Bis (2-ethylhexyl) phthalate	39100			4.9 0 0 0	
Hexa	nchlorobenzene	39700			0,610101	<u> </u>
Hexa	chlorobutadiene	39702			0.61010	
N-nii	trosodimethylamine	34438	<u> </u>		0,6 0 0	
	· · · · · · · · · · · · · · · · · · ·					
Arthur A. Mar		ef Chemist	Sid	achie gnarure	a Market	7-24-9°
	arden State Labor	atories. Inc		Cert No	20044	
Laboratory Name _G	aracii o care papor			110		

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
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ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

DOMESTIC WASTEWATER SLUDGE REPORT

	DISCHARGE PERMIT NO.	REPORTING PERI		-
	000 2110116	Mo. Yr.	CATEGORY	Page 1 of 2
FACILITY NAME:	Passaic Valley Sewerage			i age [=] of [=]
· · · · · · · · · · · · · · · · · · ·	CATEGORY INFORMATION			
1. Permitted W		(MGD)	A1:	[3]3]0.0]
2. Industrial Co	ontribution	(% of influen		1 8
3. Average Dai	ly Septage Treated	(Gallons/Day) A3:	2 0 3 4
·	ON ON SLUDGE PRODUCED I	IN TREATMENT P	ROCESSES	
1. Average Tot	al Solids of Sludge	(% by weight) B1:	5 5 4
2 Average Dai	ly Sludge Production	(Gallons/Day)	B2:	[6]0]6]5]4]
3. Average Dail	ly Sludge Production	* (Dry Tons/Da	y) B3:	1 3 9 9 6
**C. INFORMA	TION ON SLUDGE REMOVED	FOR ULTIMATE	MANAGEMENT	
1. Complete ON	NLY If Liquid Sludge Is Removed:			
a. Total Soi	ids of Liquid Sludge	(% by weigh	t) C1:	
_	Daily Sludge Removal	(Gallons/Day	C2:	
•	NLY If Dewatered Sludge Is Removed:			1515 41
	ids of Dewatered Sludge e <u>ONE</u> of the following:	(% by weight	t) C3:	5 5.4
•	rage Daily Sludge Removal	(Gailons/Day) C4:	111111
	al Solids of 2.b.i.	(% by weight		•
	age Daily Sludge Removal	(Wet Cu. Yd		
	age Daily Sludge Removal	(Wet Tons/Da	• •	1 2 5 2 7
	ge Daily Sludge Removal	* (Dry Tons/Da		[]1 3 9 • 9 6
4. pH of Sludge		(Standard Uni	• •	[[5 • 1]
	LUDGE MANAGEMENT SITE	(See Codes on Re	·	
METHOD	HAULER	FACILITY/OPER	•	BEDLUTT NO
CODE	REGISTRY			PERMIT NO.
نا لئا	17 2 4 4 OUT 1	OF STA	TE	
E. PATHOGEN I	REDUCTION INFORMATION	(See Codes and Co	mplete Reverse)	
METHOD CODE	FACILITY/OPERATI	ON	PERMIT NO.	FOR DEP USE ONLY
	•	L L E Y	10101211101116	PSRP PFRP
! !		1 1 1 1 1		
·				J L L
ERTIFICATION	OF AUTHENTICITY .		A 1 CON	A - M
Arthur A. Mar			(lata le / /	Belief 3-13-92
Name of Authorized A			griature 07250	Date
aboratory Name	Passaic Valley Sewerage	Comm. Cert. No		400004
* Equations for call	culation of Dry Tons are on back of for	rm.	9464	420021

* Equations for calculation of Dry Tons are on back of form.

C. Dry Tons = Tons (wet) X Solid Content (of the wet tons)

VS before X VS after D. Volatile Solids Reduction = VX before— (VS before X VS after)

NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

1% Total Solids = .01

20% Total Solids = .20

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD REPORTING CATEGORY

[0 | 0 | 2 | 1 | 0 | 1 | 6 | 0 | 1 | 1 | 9 | 9 | 2 | 5 | 2 |

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press Sludge Composite

PARAMETERS	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
<u>Metals</u>	CODE		DETECTED
Arsenic	01002	3.04	
Beryllium	01012	1 1 5 8	
Cadmium	61527	[1] $[1]$ $[3]$ $[6]$ $[7]$	<u></u>
Chromium	61512	1 1 3 8 10 . 81	
Copper	61506	7 0 4 3	
Iron	01045	8 1 7 0	
Lend	61503	$[11]^{9}[6]^{7}[1]$	
Mercury	01260	1 1 1 12 1 2	
Molybdenum	01062	1 1 3 1 7	*
Nickel	61515	1 1 17 14 1	
Selenium	61518	1 1 1 1 1 . 2 6 1	*
Zinc	61509	111198	
Selected Chemical Paras	meters		
Total Nitrogen	00625	1 5 2 4 4 .	
Ammonia Nitrogen	71845	[] [6 [0]1 ,]	
Nitrate Nitrogen	71850	1 1 1 7 1	<u> </u>
Oil and Grease	00550	1101271877	
Phenois	46000	1 2 9 , 2 7	
Phosphorus	00665	1110141010	
Calcium	00916	21411715	
Magnesium	00927	3478	
Potassium	00937	$11^{5}9^{4}$	
Cyanide	00720	1 1 1 2 . 7 8	
Fluoride	00951	1 1 1 1 4 . 5 1	
Chloride	00940	1 1 2 7 10	

CERTIFICATION OF AUTHENTICITY

Arthur A. Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Title

Laboratory Name Passaic Valley Sewerage Comm.

Cert No.

07250

3-24-92

CHECK IF REVISED	DISCHARGE PERMI	T NO.	REPORTING PER	IOD REPORTING CATEGORY	
	0 10 1 2 1 0 1	61	191/1 1/1919	7121 5	[3]
FACILITY NAME:	PASSAIC VI	ALLEY_	SEWERAGE	COMMISSION	
	NG LOCATION:	FILTER	PRESS		
<u>Pesticid</u>	IETERS	STORET CODE		TAL PHASE ght basis, mg/kg)	NONE DETECTED
Aldı	ரம்)	39330			<u>×</u>
	ordane	39350	4111		<u>"</u>
Diel		39380	< <u> </u>		图
DD:	r	39370	411	1 10.01/19	K
Hep	tachior	39410	<		T.
Lind	laue	39782	<	1 1 9 P 1 / 1 P 1	★
PCB	1260	39516		$\frac{1}{\sqrt{2}}\frac{\sqrt{2}}{\sqrt{2}}$	L
Toxa	aphen e	39400		1 10.01/10	×
Purgeab	les			3 K = 1	
Benz	zene	34030	كللك	10.01716	¥
Cart	ou tetrachloride	32102	< L L L L	1 0 0 7 6	\mathbb{X}
Chlo	oroform	32106	< <u> </u>	1 0.01716	1 X I
Met	iylene Chloride	34423		119./14121	
Tetra	achloroethylene	34475	الللاء ا	110.017161	1 X 1
Trick	loroethylene	39180	<	10.01716	
Viny	d chloride	39175	<니	1 10.017161	K
	trals and Acids	39120	! ! !</td <td>1/19.5100</td> <td>1×1</td>	1/19.5100	1×1
	cidine	34247	~ 	1 13.910101	<u>™</u>
	o(a)pyrene 2-ethylhexyl) phthalate	39100		1315 210101	, 121
_	chlorobenzene	39700	<u> </u>	1 13 910101	¥
				1 13 91/01/1	<u>*</u>
	chlorobutadiene	39702	~ [1 13.910101	<u>₩</u>
N-M1	rosodimethylamine	34438			انسا ا ا
			1 1 1 1		
			had all		
CERTIFICATION (OF AUTHENTICITY			•	

CERTIFICATION OF AUTHENTICITY

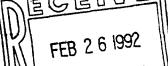
Arthur A. Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Title

Laboratory Name GARDEN STATE LABORATORIES INC. REPORT # 920124150

Cert No. 20044



TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo. Yr.

REPORTING CATEGORY

0 0 2 1 0 1 6

0 2 1 4 9 9 2

[5]

[3]

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press Sludge Composite

PARAMETERS	STORET CODE	TOTAL PHASE	NONE DETECTED
Pesticides and PCB's	CODE	(dry weight basis, mg/kg)	DETECTED
Aldrin	39330	0 0 1 0	*
Chlordane	39350	0 0 1 0	<u> </u> *_
Dieldrin	39380	1 1 1 0 0 1 1 0	_*_
DDT	39370	0,0110	_*_
Heptachion	39410	1 1 1 0 0 1 1 0	[*]
Lindane	39782	1 1 1 0 0 1 1 0	*
PCB's	39516	1 1 1 0 011 10	<u> *</u>
Toxaphene	39400	0.0110	<u> *</u>
Purgeables			
Benzene	34030	1 1 1 7 6 0 0 0	*
Carbon tetrachloride	32102	7 6 0 0 0	_*
Chloroform	32106	1 1 7 6.000	_*
Methylene Chloride	34423	1 1 17 6.000	
Tetrachloroethylene	34475	1 1 7 6 0 0 0	_ *
Trichloroethylene	39180	7 6 0 0 0	_*_
Vinyl chloride	39175	7 6 0 0 0	_*
Base/Neutrals and Acids			
Benzidine	39120	1 1 2 0 0 10	_ *
Benzo(a)pyrene	34247	0,400	_ *
Bis (2-ethylhexyl) phthalate	39100	1 1 1 4 3 0 10	
Hexachlorobenzene	39700	1 1 1 0 4 0 10 1	_ *
Hexachloroburadiene	39702	[_ *
N-nitrosodimethylamine	34438	1 1 1 0 4 P O	*
:			

CERTIFICATION OF	AUTHENTICITY
------------------	--------------

Arthur A. Martinelli

Chief Chemist

Name of Authorized Agent (Print)

Title

Laboratory Name Garden State Laboratories, Inc. Cent No.

3-24-97

946420025

20044

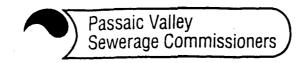
MONITORING REPORT - TRANSMITTAL SHEET Page 1 of 1 NUPDES NO. REPORTING PERIOD MO. YR. 0,3|9,2| THRU |0,3|9,2| 10, 0, 2, 1, 0, 1, 6 Passaic Valley Sewerage Commissioners PERMITTEE: 600 Wilson Avenue Address . Newark, New Jersey 07105 Passaic Valley Sewerage Commissioners FACILITY: 600 Wilson Avenue Address . Newark, N.J. 07105 Essex (County) - For reporting period 2/92 - For reporting period 3/92 **OPERATING EXCEPTIONS** FORMS ATTACHED (Indicate Quantity of Each) YES NO SLUDGE REPORTS - SANITARY DYE TESTING T-VWX-008 TEMPORARY BYPASSING SLUDGE REPORTS - INDUSTRIAL DISINFECTION INTERRUPTION T-VWX-010A T-VWX-010B MONITORING MALFUNCTIONS WASTEWATER REPORTS UNITS OUT OF OPERATION T-VWX-013 T-VWX-011 T-VWX-012 OTHER GROUNDWATER REPORTS (Detail any "Yes" on reverse side in appropriate space.) VWX-015(A.B) VWX-016 VWX-017 NPDES DISCHARGE MONITORING REPORT NOTE: The "Hours Attended at Plant" on the reverse of this sheet must also be completed. **EPA FORM 3320-1** AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. PRINCIPAL EXECUTIVE OFFICER or LICENSED OPERATOR DULY AUTHORIZED REPRESENTATIVE Phil Habrukowich Carmine T. Perrapato Name (Printed) Name (Printed) NJ S-4 #3972 Executive Director Title (Printed) Grade & Registry, No. Signature Date .

946420026

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE. JR THOMAS J. CIFELLI DOMINIC W CUCCINELLO RONALD W GIACONIA JAMES KRONE FRANK ORECHIO COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

May 7, 1992

NJDEPE Wastewater Facility CN - 029 Trenton, N.J. 08625

ATTN: Patty Long

Dear Ms. Long:

Enclosed please find a copy of the March, 1992 DMR. If further information is required on this matter, contact me at your convenience.

Yours truly,

John Gatsch

Process Control Engineer

cc: File

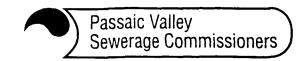
JG/jar

Encl.

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RONALD W. GIACONIA
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COMMISSIONERS



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ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

DOMESTIC WASTEWATER SLUDGE REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY	
0 0 2 1 1 0 1 1 6	0 3 1 9 9 2	5	Page 1 of 2
FACILITY NAME: PASSAIC VALLEY SEWERAGE	COMMISSIONERS		
A. REPORTING CATEGORY INFORMATION			
1. Permitted Wastewater Flow	(MGD)	A1:	13 1 3 1 0 . 0 1
2. Industrial Contribution	(% of influent)	A2:	1 8.
3. Average Daily Septage Treated	(Gallons/Day)	A3:	111806
B. INFORMATION ON SLUDGE PRODUCED	IN TREATMENT PROCES	SES	
1. Average Total Solids of Sludge	(% by weight)	B1:	5 1.9
2 Average Daily Sludge Production	(Gallons/Day)	B2:	17 8 9 1 6
3. Average Daily Sludge Production	* (Dry Tons/Day)	B3:	1 7 0.5 2
**C. INFORMATION ON SLUDGE REMOVED	FOR ULTIMATE MANAG	EMENT	
1. Complete ONLY If Liquid Sludge Is Removed:			
a. Total Solids of Liquid Sludge	(% by weight)	CI:	
b. Average Daily Sludge Removal	(Gailons/Day)	CZ:	
Complete ONLY If Dewatered Sludge Is Removed Total Solids of Dewatered Sludge		~ .	[5] 1.9]
b. Complete QNE of the following:	(% by weight)	C3 :	3 4.0
i. Average Daily Sludge Removal	(Gailons/Day)	C4:	
Total Solids of 2b.i.	(% by weight)	ය :	
ii. Average Daily Sludge Removal	(Wet Cu. Yds./Day)	C6:	
iii. Average Daily Sludge Removal	(Wet Tons/Day)	C 7:	1 131218.81
3. Total Average Daily Sludge Removal	* (Dry Tons/Day)	C8:	111710.5121
4. pH of Sludge Removed	(Standard Units)	C9:	15.2
D. ULTIMATE SLUDGE MANAGEMENT SITE	(See Codes on Reverse)		
METHOD HAULER CODE REGISTRY	FACILITY/OPERATION		PERMIT NO.
[5] [1 7 2 4 4] [O]U T]	OF STATE		
	1 1 1 1 1 1 1 1		
E. PATHOGEN REDUCTION INFORMATION	(See Codes and Complete F	Reverse)	
METHOD FACILITY/OPERAT	TON .	ERMIT NO.	FOR DEP USE ONLY
			PSRP PFRP
E PASSAIC VA	IL LEY 00	[2]1[0]1[6]	
CERTIFICATION OF AUTHENTICITY	\sim		
Arthur A. Martinelli Chief Chemis	st (1)	4. C. Mark	5-4-92
Name of Authorized Agent (Print) Title	Signature	X MAN	Daic
Laboratory Name Passaic Valley Sewerage Co	ommissioners No. 0725	94	46420029
* Equations for calculation of Dry Tons are on back of fo	9FM. - 117 - 25 - 24 - 34 - 45 - 45 - 45 - 45 - 45 - 45 - 4	d Manaa	

20% Total Solids = .20

Alternative equations may be utilized if approved in writing by NIDEP.

VX before— (VS before X VS after)

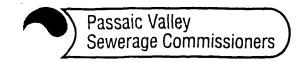
NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

1% Total Solids = .01

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RONALO W. GIACONIA
JAMES KRONE
FRANK ORECHIO
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

New Jersey Department of Environmental Protection Division of Water Resources

DOMESTIC WASTEWATER SLUDGE REPORT

	DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY	
	0 0 0 2 1 1 0 1 6	0 3 1 9 9 2	5	Page $2 \circ 12$
FACILITY NAME:	PASSAIC VALLEY SEWERAG	E COMMISSIONERS		
A. REPORTING	CATEGORY INFORMATION			
1. Permitted W	astewater Flow	(MGD)	Al:	[3 3 0,0]
2 Industrial Co	moibution	(% of influent)	A2:	118
3. Average Dail	ly Septage Treated	(Gallons/Day)	A3:	1 11 8 0 0 6
	ON ON SLUDGE PRODUCED			
1. Average Tou	al Solids of Sludge	(% by weight)	B1:	4 2.8
2 Average Dail	y Sludge Production	(Gallons/Day)	B2:	1 4 5 0 0 2
3. Average Dail	y Sludge Production	* (Dry Tons/Day)	B3:	[2[5[8.6]3]
	TION ON SLUDGE REMOVE	D FOR ULTIMATE MANA	GEMENT	
1	ILY If Liquid Sludge Is Removed:	/ // 1		
1	ids of Liquid Sludge	(% by weight)	C1:	
1	Daily Sludge Removal TLY If Dewatered Sludge Is Remove	(Gallons/Day)	C2:	
1 .	ds of Dewatered Sludge	. (% by weight)	C3 :	[4] 2.8]
J .	ONE of the following:	, (= , =,		
i. Aver	age Daily Sludge Removal	(Gallons/Day)	C4:	
Total	l Solids of 2b.i.	(% by weight)	C 5:	
ii. Aven	age Daily Sludge Removal	(Wet Cir. Yds./Day)	C6:	
iii. Aver	age Daily Sludge Removal	(Wet Tons/Day)	C7 :	[] [6]0]4 •2]
3. Total Averag	e Daily Sludge Removal	* (Dry Tons/Day)	C8:	12 5 8 . 6 3
4. pH of Sludge	Removed .	(Standard Units)	C9:	[1]0.9]
D. ULTIMATE SI	LUDGE MANAGEMENT SITE	(See Codes on Reverse)		
METHOD CODE	HAULER REGISTRY	FACILITY/OPERATION	ı	PERMIT NO.
[5] [1	7 2 4 4 O U T	OF STATE		
E. PATHOGEN R	EDUCTION INFORMATION	(See Codes and Complete	Reverse)	
METHOD CODE	FACILITY/OPERA	TION	PERMIT NO.	FOR DEP USE ONLY PSRP PFRP
I D I	P A S S A I C V .	ALLIETAL TOLO	0 2 1 0 1 6	
			11111	
	OR HEREFELD			
	OF AUTHENTICITY		To We	<u> </u>
Arthur A. Mart		Signature Signature	we ffall	5-4-92 Date
	saic Valley Sewerage Co	•	150	
			9464	20032
Equations for calc	culation of Dry Tons are on back of	form. San 117 saba aire dii maa eka aaaaaa		

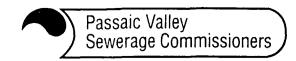
PATHOGEN REDUCTION METHOD CODE	(Appropriate sections baset he completed)
A. Anaerobic Digestion; or	(white ohe sacrous mint of completed)
B. Aerobic Digestion; complete the following:	773.750 d 775.750 d 775.750 d
1. Percent Volanie Solids:	UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the rep	port period)
BED DATE SLUDGE LOADED	DEPTH POURED DATE SLUDGE REMOVED
Month Day Year	Inches Month Day Year
1.	
2	
3.	
4.	
5.	
D. State Approved Lime Stabilization E. Thermal Treatment/Drying F. Phragmites G. Composting H. Other (specify here: L. None	
ULTIMATE SLUDGE MANAGEMENT METHO 1. Land Application at a NJPDES Permitted Site 2. State Approved Distribution Permit 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified as Sludge, Managed by Haza 7. Other (specify here: 8. None Removed	
EQUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of the 240	e gailons)
B. Dry Tons = Cubic Yards (wer) X Solid Content (or (Y)	of the cubic yards)
y = 1.185 where solid content is 1 = 1.265 where solid content is 1 = 1.58 where solid content is 24 = 1.9 where solid content is great	16% to 23% 4% to 29%
_	
C. Dry Tons = Tons (wet) X Solid Content (of the w	
D. Volatile Solids Reduction = VS before X VX before— (VS b	
NOTE: The total and volatile solid contents in the above	e equations must be expressed as a decimal, for example:
1% Tomi So 20% Tomi So	

Alternative equations may be utilized if approved in writing by NJDEP.

DONALD TUCKER

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M BURKE JR THOMAS J. CIFELLI DOMINIC W CUCCINELLO RONALD W. GIACONIA JAMES KRONE FRANK ORECHIO COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

REPORTING PERIOD

REPORTING

REPORTING PERIOD REPORTING Mo. Yr. CATEGORY	
0 2 1 9 9 2 5 2	
Commissioners	
zed Sludge	
TOTAL PHASE NONE (dry weight basis, mg/kg) DETECTED	
[] [] [0 . 9] 4]	
[] [] [8 [2] 6 [8] 5]	
1 17 5 1 1 0 . 1	
[] [] [8 5 7 2 0]	
1 1 1 8 9	
1 1 17 5 0 5	
1 .0 7 *	
[1 1 8 4]	
[1 8 3 2 1	
1 1 1 3 . 5 5	
1 1 4 3 9	
1 4 8 9 1 7.	
[] [] [5 0 . 0 0]	
[1 0 7 0 0 .]	
1115131818.	
[] [2 5 5 9 .]	
1 1 19 8 8 1	
<u> </u>	
[1 4 1]	
[] [] [5] 3 , 3] []	
. () Stoff Mattell 4-27	-92
Signature Date	· · · · ·
mm. Cert No. 07250	
	Commissioners .zed Sludge TOTAL PHASE (dry weight basis, mg/kg) 1 0 9 4

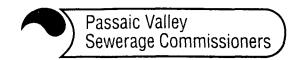
TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PE	DISCHARGE PERMIT NO.		REPORTING CATEGORY		
0 0 2 1 0 1 6		0 3 1 9 9 2	5]	[3]	
FACILITY NAME: Passaic Val	ley Sewerage	Commissioners			
SLUDGE SAMPLING LOCATION: _	Filter Press	Wet Air Oxidized Slud	ge		
PARAMETERS	PARAMETERS STORET CODE		TOTAL PHASE (dry weight basis, mg/kg)		
Pesticides and PCB's	CODE	• • •		DETECTED	
Aldrin	39330		0.0110	_*_	
Chlordane	39350		1 1 0 0 1 0		
Dieldrin	39380		1 1 1 0 0 1 1 0		
DDT	39370		0 0 1 0	_*_	
Heptachlor	39410		0 0 1 0	<u>*</u> _	
Lindane	39782		0.0110	*	
PCB's	39516		0 0 4 0		
Toxaphene	39400		0.01101	<u> *</u>	
Purgeables					
Ветипе	34030	1119	0.01010	<u> *</u>	
Carbon tetrachloride	32102		0 0 0 0 0	<u> *_</u>	
Chloroform	32106	$-1.1.1^{9}1$	0 0 0 0	لخا	
Methylene Chloride	34423	1 1 191	0.0 0 0	*	
Tetrachloroethylene	34475	11191	0.010101	لخا	
Trichloroethylene	39180		0.010101	*	
Vinyl chloride	39175	<u> </u>	0.010101	*	
Base/Neutrals and Acids					
Benzidine	39120		2 3 5 0	<u> * </u>	
Benzo(a)pyrene	34247		0.4 7 0	<u>*</u> _	
Bis (2-ethylhexyl) phth	alate 39100		3,4 1 0		
Hexachlorobenzene	39700		0.4 7 0	*	
Hexachlorobutadiene	39702		0.4 7 0	*	
N-nitrosodimethylamin	e 34438		0.417101	*	
				<u></u>	
		. L.L.L.L.	لبليا		
Arthur A. Martinelli Name of Authorized Agent (Print)	CITY Chief Chemis	Signature	(î Mortu	1-23-9	<u>z</u>
Laboratory Name Garden State	e Laboratorie	Inc. Cen No.	20044	·	

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M BURKE. JR THOMAS J CIFELLI DOMINIC W CUCCINELLO RONALD W GIACONIA JAMES KRONE FRANK ORECHIO COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

	DISCHARGE PERMIT	REPOR Mo.	ING DRY			
	0 0 2 1 0 1	6	0 2	[1] 9 9 2		[2]
TACTI PROVIDE	Passaic Valley			oners	_	
2LUDGE 2AMPLIN	IG LOCATION: <u>Cer</u>	itrifuged (Lime St	<u>abilized)</u>	studge .	
PARAM	IETERS	STORET CODE		TOTAL (dry weight b	PHASE pasis, mg/kg)	NONE DETECTED
Metals						
Arse		01002			1.01	<u> </u>
Bery	/llium	01012			0.517	_*_
Cadı	mium	61527			110.9	
Chro	omium	61512		2	0 5 5 .	
Cop	per	61506		3	11 8 5	
Iron		01045		. 2 7	00	
Lead	I	61503		1 2	5 7 6 5	
Men	cury	01260			1 1 9	
Mol	ybdenum	01062			209	
Nick	kei	61515			3 9 5 5	
Sele	nium	61518			1 0 1	*
Zino	;	61509		1 1 14	9 8 5	
Selected	Chemical Paramete	rs				
	il Nitrogen	00625		131417	5 8	
Amı	monia Nitrogen	71845		116	9 8	
Nitt	ate Nitrogen	71850			110	
Oil a	and Grease	00550	•	151018	0 8	
Phe	nols	46000			5.6.7	
Pho	sphorus	00665		4 2	7 0	
Calo	cium	00916		1 4 0 5	000	
Mag	mesium	00927		1 1 9	912.	
_	ıssium	00937	•	1110	33.1	
Суал	nide	00720			5 8 7 7	
•	oride	00951			5 0 2 1	
Chlo	oride	00940		[8 9	10	
OPPOPULATION AND AND AND AND AND AND AND AND AND AN	On A Harting out of the	v				
CERTIFICATION	OF AUTHENTICIT	<u>Y</u>		1	A. P.W.	AM 22 02
Arthur A. Mar Name of Authorized	tinelli C Agent (Print) Tide	hief Chemi	.st	Signature	the la Mail	4-23-92 Date
	Passaic Vallev Se	werage Com	m.	Cert N	o. <u>07250</u>	

TOXIC ORGANIC COMPOUNDS REPORT

REPORTING PERIOD Yr. REPORTING DISCHARGE PERMIT NO. Mo. CATEGORY 0 3 1 9 9 2 1 [3] 0 0 2 1 0 1 6 [5] FACILITY NAME: Passaic Valley Sewerage Commissioners Centrifuge (Lime Stabilized) Sludge SLUDGE SAMPLING LOCATION: ___ **PARAMETERS** STORET TOTAL PHASE NONE DETECTED CODE (dry weight basis, mg/kg) Pesticides and PCB's 10 0 1 1 0 1 39330 Aldrin 0 0 1 0 | * | Chlordane 39350 0 1 1 0 Dieldrin 39380 10 0 1 1 0 1 DDT 39370 10 0 1 1 0 1 Heptachlor 39410 011101 39782 Lindane 10 0 1 1 0 1 PCB's 39516 10 0 1 0 | * | Toxaphene 39400 **Purgeables** 1 0 0 Benzene 34030 110101 | * | Carbon tetrachloride 32102 1 0 0 0 Chloroform 32106 1 0 0 10 Methylene Chloride 34423 5 | 0 | 0 | Tetrachloroethylene 34475 1 | 0 | 0 | Trichloroethylene 39180 1 | 0 | 0 | Vinyl chloride 39175 Base/Neutrals and Acids 8 | 5 | 0 | Benzidine 39120 5 | 7 | 0 | Ю 34247 Benzo(a)pyrene 5 | 7 | 0 | 39100 Bis (2-ethylhexyl) phthalate 5 | 7 | 0 | Hexachlorobenzene 39700 Hexachlorobutadiene 39702 N-nitrosodimethylamine 34438 CERTIFICATION OF AUTHENTICITY Y-2 r-97 Arthur A. Martinelli Chief Chemist Date Signature Tide Name of Authorized Agent (Print) Garden State Laboratories Inc. 20044 Cert No. Laboratory Name _

MONITORING REPORT - TRANSMITTAL SHEET

Page 1 of 1

NJPDES NO.

REPORTING PERIOD

MO. YR.

MO YE.

0 0 2 1 0 1 6

0|4|9|2| THRU |0|4|9|2

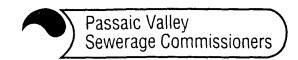
		·							
PERMITTEE:	Name _	Passaic Valley Sew	erage Comm	ssioners	<u></u>				
	Address 600 Wilson Avenue								
	7100.033	Newark, New Jersey	07105						
FACILITY:	Name _	Passaic Valley Sew	erage Commi	ssioners					
	Address	600 Wilson Avenue							
		Newark, NJ 07105	(County)	Essex					
	Telephor	201 344-1800							
	•	** - For reporting perio	* - Fo	or reporting per	(revised)				
FORMS ATTACH	ED (Indic	ate Quantity of Each)	*** - Fo	r reporting per	& 4/92 riod 4/92				
SLUDGE REPORTS					YES NO				
2 T-VWX-007	, 1 T	-vwx-008 1 T-vwx-009	DYE TES	TING					
* SLUDGE REPORTS	**	*** IAL	TEMPOR	ARY BYPASSING					
T-VWX-010		-VWX-010B	DISINFE	TION INTERRUPTION					
			MONITOR	RING MALFUNCTIONS					
WASTEWATER REF			UNITS OL	IT OF OPERATION					
T-VWX-011		-VWX-012T-VWX-013	OTHER						
GROUNDWATER R	EPORTS			y "Yes" on reverse side					
VWX-015(A	,,B)V	WX-016 VWX-017	in appro	priate space.)					
NPDES DISCHARGE		ING REPORT		The "Hours Attended at Pl					
EPA FORM	3320-1		reverse of	this sheet must also be co	mpierea.				
AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.									
LICENSED OPER	ATOR			ECUTIVE OFFICER or	E				
Name (Printed)	Phi1	Habrukowich	Name (Printed)	Carmine T. Pe	rrapato				
Grade & Registry	N.J.	S-4 #3972	Title (Printed)	Executive Dir	ector				
Signature	Hal	<u> </u>	Signature						
Date	12/92	= `	Date	TN//	5_				
/	/	946420040		6					

OPERATIN	G EXCEPTIONS DETAILED																	
																		
					·	····												
									•									
									-									
						·												
												-						
																		
																		
														-				
HOURS ATT	ENDED AT PLANT						Mon	th L			Y	ear	Ш					
	Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	Licensed Operator																	
	Others																	
	Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
	Licensed Operator																	
	Others																	

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RONALD W. GIACONIA
JAMES KRONE
FRANK ORECHIO
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

946420043

DOMESTIC WASTEWATER SLUDGE REPORT

DISCHARGE PERMIT NO.	Mo. Yr.	CATEGORY	
0 0 2 1 0 1 6	0 2 1 9 9 2	5	Page 2 of 2
FACILITY NAME: PASSAIC VALLEY SEWERAGE	COMMISSIONERS		_ ,
A. REPORTING CATEGORY INFORMATION		······································	
1. Permitted Wastewater Flow	(MGD)	Al:	31310.0
2. Industrial Contribution	(% of influent)	A2 :	118
3. Average Daily Septage Treated	(Gallons/Day)	A3:	[] [2]0 [3 [4]
B. INFORMATION ON SLUDGE PRODUCED	IN TREATMENT PROCES	SES	
1. Average Total Solids of Sludge	(% by weight)	B1:	4 3 . 3
2 Average Daily Sludge Production	(Gallons/Day)	B2:	1 4 4 4 4 3 7
3. Average Daily Sludge Production	* (Dry Tons/Day)	В3:	[2]6]0.5]5]
**C. INFORMATION ON SLUDGE REMOVE	D FOR ULTIMATE MANAG	EMENT	
Complete ONLY If Liquid Sludge Is Removed:			
a. Total Solids of Liquid Sludge	(% by weight)	C1:	
b. Average Daily Sludge Removal	(Gallons/Day)	C2:	
Complete ONLY If Dewatered Sludge Is Remove Total Solids of Dewatered Sludge	xd: (% by weight)	C3:	[4]3.3]
b. Complete ONE of the following:	(to by weight)	CJ.	<u> </u>
i. Average Daily Sludge Removal	(Gallons/Day)	C4:	
Total Solids of 2.b.i.	(% by weight)	C5:	
ii. Average Daily Sludge Removal	(Wet Cil. Yds./Day)	C6:	
iii. Average Daily Sludge Removal	(Wet Tons/Day)	C7 :	[6 0 1.8]
3. Total Average Daily Sludge Removal	* (Dry Tons/Day)	C8:	[12]6]0.5]5]
4. pH of Sludge Removed	(Standard Units)	C9:	[1]1.2]
D. ULTIMATE SLUDGE MANAGEMENT SITE	(See Codes on Reverse)		
METHOD HAULER CODE REGISTRY	FACILITY/OPERATION		PERMIT NO.
[5] [1]7[2]4[4] [0]U[T]	OF STATE	1111	
		1 1 1 1	
	1 1 1 1 1 1 1 1	1 1 1 1	
E. PATHOGEN REDUCTION INFORMATION	(See Codes and Complete)	Reverse)	
METHOD	•	· .	FOR DEP USE ONLY
CODE FACILITY/OPERAT	•	PERMIT NO.	PSRP PFRP
D PASSAIC VA	ALLIEIY OO	2 1 0 1 6	
CERTIFICATION OF AUTHENTICITY	\bigcap 1		M (1)
ARTHUR A. MARTINELLI CHIEF CHEMI	CCL	a Cultural	ne 8 4-12-92
Name of Authorized Agent (Print) Title	Signature		Date

Laboratory Name PASSAIC VALLEY SEWERAGE COMMISSIONERS No. 07250

* Equations for calculation of Dry Tons are on back of form. ** To be reported only if sludge is removed from Treatment Works site during the reporting period. If none removed, so state in Section D

	· · · · · · · · · · · · · · · · · · ·			
PATHOGEN REDUCTION	METHOD CODE (A	Appropriate section	ons must be co	ompleted)
A. Anaerobic Digestion; or B. Aerobic Digestion; complete	the following:			
1. Percent Volatile Solids:	ous following.	UNIT 1	UNIT 2	UNIT 3
a. Before Stabilization (a	as weight % of TS)			
b. After Stabilization (a	us weight % of TS)			
c. Percent Reduction (s	see equation)			
2. Detention Time (I	Days)		. لللا	
3. Average Temperature (I	Degrees C)			
C. Air Drying (Report on any bea	ds emptied for the report	period)		مين
BED DATE SLUDO	•	DEPTH POURED	DAT	E SLUDGE REMOVED
Month Day	Year	Inches	Month	
1. []				
2 [-	لللا	
3.			للا	
4.		اللا		
5.			لللا	
D. State Approved Lime Stabiliz	zatio n			
E. Thermal Treatment/Drying				
F. Phragmites G. Composting				
H. Other (specify here:				
L None		·- <u></u>		
ULTIMATE SLUDGE MANA	AGEMENT METHOD	CODE		
1. Land Application at a NJPDES	S Permitted Site			
2. State Approved Distribution P	lam it			. •
Incineration Cean Disposal				
5. Out of State				
 Residual Not Classified as Sluc Other (specify here: 	ige, Managed by Hazard	ous or Waste Flow	Regs.	
8. None Removed	- · · · · · · · · · · · · · · · · · · ·			
EQUATIONS				
A. Dry Tons = <u>Gallons (wet) X</u>	Solid Content (of the s	ailons)		
<u> </u>	240			
B. Dry Tons = <u>Cubic Yards (wer</u>	X Solid Content (of the (Y)	e cubic yards)		
•	here solid content is less		•	•
	here solid content is 169 ere solid content is 24%			
	re solid content is greater			
C. Dry Tons = Tons (wet) X So	olid Content (of the wet	tons)		
D. Volatile Solids Reduction = _	VS before X V VX before— (VS before		X 100	
NOTE: The total and volatile solid	d contents in the above ex	quations must be exp	pressed as a decir	nal, for example:
	1% Total Solid 20% Total Solid:			

T-VWX-007 5/89		•	epartment of Environmental Protection ivision of Water Resources	on		
3/09	DOMES		STEWATER SLUDGE	REPORT	•	
	DISCHARGE PERI		REPORTING PERIOD	REPOR'	TING	
		1.1.1	Mo. Yr.	CATEG	1 12 1	2 . 2
_FACILITY NAME:	0 0 2 1 0 Passaic Valley Sew	1 6	0 4 1 9 9 2	5	1 Pag	98 2 of 2
				······································		***
	NG CATEGORY IN	FURMATI		A1:	3 3	3 0 0 0
	Wastewater Flow		(MGD)			1101
2. Industrial			(% of influent)	A2:	1 1 1 5 1	
	Daily Septage Treated		(Gallons/Day)	A3:	2 6	5 0 0
B. INFORMAT	TION ON SLUDGE	PRODUCE	D IN TREATMENT PRO		ı	. 1
1. Average T	otal Solids of Sludge		(% by weight)	B1:		4 2
2. Average Da	aily Sludge Production		(Gallons/Day)	B2:	8 7 5	5 2 8
3. Average D	aily Sludge Production		(Dry Tons/Day	В3:	1 6 1	0 8
**C. INFORM	ATION ON SLUDG	E REMOV	ED FOR ULTIMATE M	ANAGEME	NT	
1. Complete C	ONLY If Liquid Sludge I	s Removed			,	
a. Total Se	olids of Liquid Sludge		(% by weight)	C1:	<u> </u>	
b. Average	e Daily Sludge Removal		(Gallons/Day	C2:		
2. Complete	ONLY If Dewatered Sluc	ige Is Remove	d			
a. Total So	olids of Dewatered Sludg	re e	(% by weight)	C3:	_4	4 2
	te ONE of the following					
-	erage Daily Sludge Rem		(Gallons/Day)	C4:		
	tal Solids of 2.b.i.	•	(% by weight)	C5:	L	
	erage Daily Sludge Rem	nval	(Wet Cu. Yds/Day)	C6:		
	erage Daily Sludge Rem		(Wet Tons/Day)	C7:	3 6	147
	age Daily Sludge Remov		(Dry Tons/Day)	C8:	1 1 1 1	
4. pH of Slud	• •	aı	(Standard Units)	C9:	1 6 1	0 0
-						1 4
D. ULTIMATE		EMENT SIT	TE (See Codes on Reverse)			
CODE	HAULER REGISTRY		FACILITY/OPERATION		PERMIT	NO.
5	1 7 2 4 4	0 0 1	OF STATE			
E. PATHOGEN	REDUCTION INFO	ORMATIO	N (See Codes and Complete R	leverse)		
METHOD CODE		PERATION	PERMIT	ŕ	FOR DE	EP USE ONLY P PFRP
D	PASSAIC	VALL	EY 0021	0 1 6		
				1 1 1 1	, ,	

CERTIF	CATE	OF AL	JTHENT	ICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Signature

MAY 20, 1992 Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

5/89	
PATHOGEN REDUCTION METHOD CODE (Appropriate sections must be completed)	. /
A. Anaerobic Digestion; or B. Aerobic Digestion; complete the following: UNIT 1 UNIT 2 UNIT 3	
1. Percent Volatile Solids: a. Before Stabilization (as weight % of TS)	
O. Pater Stabilization (45 weight 70 of 15)	
c. Percent Reduction (see equation)	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the report period)	
BED DATE SLUDGE LOADED DEPTH POURED DATE SLUDGE REMOVED Month Day Year Inches Month Day Year	
1.	
2.	
3.	
4. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
5.	
D. State Approved Lime Stabilization E. Thermal Treatment/Drying	
F. Phragmites	
G. Composting H. Other (specify here:)	
I. None	
ULTIMATE SLUDGE MANAGEMENT METHOD CODE	
1. Land Application at a NJPDES Permitted Site	
2. State Approved Distribution Permit	
3. Incineration 4. Ocean Disposal	
5. Out of State	
6. Residual Not Classified as Sludge, Managed by Hazardous or Waste Flow Regs. 7. Other (specify here:)	
8. None Removed	
EOUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of the gallons)	
240	
B. Dry Tons = Cubic Yards (wet) X Solid Content (of the cubic yards) (Y)	
y = 1.185 where solid content is less than 15%	
= 1.265 where solid content is 16% to 23% = 1.58 where solid content is 24% to 29%	,
= 1.9 where solid content is greater than 30%	
C. Dry Tons = Tons (wet) X Solid Content (of the wet tons)	
D. Volatile Solids Reduction = VS before X VS after X 100	
VX before (VS before N NS after)	
NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:	
1% Total Solids = 0! 20% Total Solids = 20	

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo. Yr.

REPORTING CATEGORY

0 0 2 1 0 1 3

9 9 2 5

2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002	1 7 0	
Beryllium	01012	0 6 4	*
Cadmium	61527	8 6 5	
Chromium	61512	1 7 2	
Copper	61506	3 1 7	
Iron	01045	2 5 8 0	
Lead	61503	2 1 2	
Mercury	01260	0 6 8	
Molybdenum	01062	1 4 0 0	
Nickel	61515		
Selenium	61518	0 6 1	*
Zinc	61509	3 9 2	
Selected Chemical P	<u>arameters</u>		
Total Nitrogen	00625	2 7 0 6 0	1 1
Ammonia Nitrogen	71845	984	
Nitrate Nitrogen	71850	1 1 3 4	
Oil and Grease	00550	6 7 7 5 7	\\
Phenois	46000		
Phosphorus	00665	4470	<u> </u>
Calcium	00916	1 3 5 7 5 0	
Magnesium	00927		
Potassium	00937	2 4 0 6	<u> </u>
Cyanide	00937	2 6 8 5	
Fluoride	00720		
Chloride	00931	4 3 5 0	
·	444	1 4 3 5 0	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli

Name of Authorized Agent (Print)

Title

Chief Chemist

MAY 19, 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. 07407

Laboratory Name

TOXIC ORGANIC COMPOUNDS REPORT

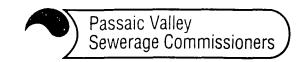
Page 2 of 2

REPORTING PERIOD Yr. REPORTING DISCHARGE PERMIT NO. CATEGORY | 5 | 131 10101211101161 0 4 1 9 9 2 FACILITY NAME: _ PASSAIC VALLEY SEWERAGE COMMISSIONERS SLUDGE SAMPLING LOCATION: LIME STABILIZED (CENTRIFUGED) SLUDGE **PARAMETERS** STORET TOTAL PHASE NONE DETECTED (dry weight basis, mg/kg) CODE Pesticides and PCB's 10 011101 39330 Aldrin *] 10 011101 Chlordane 39350 011101 Dieldrin 39380 DDT 39370 39410 Heptachlor 011 101 39782 Lindane 10 011 101 39516 PCB's 39400 Toxaphene Purgeables 013 161 34030 Berzene 10 0 3 6 1 32102 Carbon tetrachloride 0 3 16 1 32106 Chloroform 10 013 161 34423 Methylene Chloride 10 2 | 3 | 5 | 34475 Tetrachioroethylene 0 0 3 16 1 39180 Trichloroethylene 10 0 3 16 1 39175 Vinyl chloride Base/Neutrals and Acids 13,010101 Benzidine 39120 610101 34247 Benzo(a)pyrene 110.810101 Bis (2-ethylhexyl) phthalate 39100 0 6 10 10 1 Hexachlorobenzene 39700 10,610101 39702 Hexachlorobutadiene 610101 34438 N-nitrosodimethylamine CERTIFICATION OF AUTHENTICITY 4-12-92 ARTHUR A. MARTINELLI CHIEF CHEMIST Name of Authorized Agent (Print) Tide Cert No. 20044 Garden State Laboratories, Inc

DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RONALD W. GIACONIA
JAMES KRONE
FRANK ORECHIO
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

DOMESTIC WASTEWATER SLUDGE REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY	
0 0 2 1 0 1 6	0 4 1 9 9 2	5	\square Page \square of \square
FACILITY NAME: PASSAIC VALLEY SEWERAGE	COMMISSIONERS		
A. REPORTING CATEGORY INFORMATION			
1. Permitted Wastewater Flow	(MGD)	A1:	3 3 0 0
2. Industrial Contribution	(% of influent)	A2:	1 8.
3. Average Daily Septage Treated	(Gallons/Day)	A3:	1 2 6 0 0 0
B. INFORMATION ON SLUDGE PRODUCED			1512 01
1. Average Total Solids of Sludge	(% by weight)	B1:	[5 3 · 9] 7 2 6 7 0
2. Average Daily Sludge Production	(Gallons/Day)	B2:	•
3. Average Daily Sludge Production	* (Dry Tons/Day)	B3:	[1]6]3.2[0]
1. Complete ONLY If Liquid Sludge Is Removed:	FOR ULTIMATE MANA	AGEMENT	
a. Total Solids of Liquid Sludge	(% by weight)	C1:	
b. Average Daily Sludge Removal	(Gailons/Day)	C2:	<u> </u>
2. Complete ONLY If Dewatered Sludge Is Removed	:		
a. Total Solids of Dewatered Sludge	(% by weight)	C3:	5 3 . 9
b. Complete ONE of the following:	(Callera Day)	C4:	1 1 1 1 1 1
i. Average Daily Sludge Removal Total Solids of 2.b.i.	(Gallons/Day) (% by weight)	C5:	
	(Wet Cir. Yds./Day)	0.0	
ii. Average Daily Sludge Removai	(Wet CIL 1 das/Day) (Wet Tons/Day)		131012.8
iii. Average Daily Sludge Removal 3. Total Average Daily Sludge Removal	* (Dry Tons/Day)	C8:	[] 1 6 3 . 2 0
4. pH of Sludge Removed	(Standard Units)	C9:	[[5.7]
D. ULTIMATE SLUDGE MANAGEMENT SITE	(See Codes on Reverse)		
METHOD HAULER	FACILITY/OPERATIO		PERMIT NO.
CODE REGISTRY	O F S T A T E		·
	1 1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1 1
	1 1 1 1 1 1 1		
E. PATHOGEN REDUCTION INFORMATION	(See Codes and Complete	Reverse)	
метнор		PERMIT NO.	FOR DEP USE ONLY
CODE FACILITY/OPERAT			PSRP PFRP
E PASSAIIC VA	LILIEKI	0 2 1 0 1 6	
CERTIFICATION OF AUTHENTICITY	7	Na AM	F M.
ARTHUR A. MARTINELLI CHIEF CHEMIS		has the Moule	<u>4-12-92</u> Date
Name of Authorized Agent (Print) Title Laboratory Name PASSAIC VALLEY SEWERAGE COL	Signature MMISSIONERS No. 07	7250	420050

* Equations for calculation of Dry Tons are on back of form.

^{**} To be reported only if sludge is removed from Treatment Works site during the reporting period. If none removed, so state in Section D

PATHOGEN REDUCTION METHOD CODE	(Appropriate sections must be completed)
A. Anaerobic Digestion; or B. Aerobic Digestion; complete the following:	
1. Percent Volatile Solids:	UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the repo	
BED DATE SLUDGE LOADED Month Day Year	DEPTH POURED DATE SLUDGE REMOVED Inches Month Day Year
1.	
2.	
3.	
4.	
5.	
D. State Approved Lime Stabilization E. Thermal Treatment/Drying	
F. Phragmites	
G. Composting H. Other (specify here:)
I. None	
ULTIMATE SLUDGE MANAGEMENT METHO 1. Land Application at a NJPDES Permitted Site 2. State Approved Distribution Permit 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified as Sludge, Managed by Hazar 7. Other (specify here: 8. None Removed	
EQUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of the 240	gallons)
B. Dry Tons = Cubic Yards (wet) X Solid Content (of (Y))	the cubic yards)
y = 1.185 where solid content is les = 1.265 where solid content is 16	
= 1.58 where solid content is 249	6 το 29%
= 1.9 where solid content is great	
C. Dry Tons = Tons (wet) X Solid Content (of the we	
D. Volatile Solids Reduction = VS before X VX before— (VS be	
NOTE: The total and volatile solid contents in the above	equations must be expressed as a decimal, for example:
1% Total Soli 20% Total Soli	

Alternative equations may be utilized if approved in writing by NJDEP.

New Jersey Department of Environmental Protection Division of Water Resources

5/89 DOMESTIC WASTEWATER SLUDGE REPORT REVISED COPY REPORTING PERIOD REPORTING DISCHARGE PERMIT NO. Mo. CATEGORY 10|2| | 1|9|9|2| [0]0 [2]1 [0 - 1 | 6] 5 Page 1 of 2 FACILITY NAME: PASSAIC VALLEY SEWERAGE COMMISSIONERS A. REPORTING CATEGORY INFORMATION 13 13 10.0 1 1. Permitted Wastewater Flow (MGD) Al: 1118 1 (% of influent) A2: 2. Industrial Contribution 12 | 0 | 3 | 4 | 3. Average Daily Septage Treated (Gallons/Day) A3: B. INFORMATION ON SLUDGE PRODUCED IN TREATMENT PROCESSES 1515.41 1. Average Total Solids of Sludge B1: (% by weight) [6 | 2 | 9 | 1 | 8 | 2. Average Daily Sludge Production (Gallons/Day) B2: 11 14 | 5.1 | 8 | 3. Average Daily Sludge Production * (Dry Tons/Day) B3: **C. INFORMATION ON SLUDGE REMOVED FOR ULTIMATE MANAGEMENT 1. Complete ONLY If Liquid Sludge Is Removed: a. Total Solids of Liquid Sludge (% by weight) C1: b. Average Daily Sludge Removal (Gailons/Day) C2: 2. Complete ONLY If Dewatered Sludge is Removed: 1515.41 a. Total Solids of Dewatered Sludge C3: (% by weight) b. Complete ONE of the following: i. Average Daily Sludge Removal C4: (Gallons/Day) Total Solids of 2.b.i. CS: (% by weight) C6: ii. Average Daily Sludge Removal (Wet Cu. Yds./Day) 121612.21 iii. Average Daily Sludge Removal (Wet Tons/Day) C7: 111415.1181 3. Total Average Daily Sludge Removal * (Dry Tons/Day) C8: C9: 15.11 4. pH of Sludge Removed (Standard Units) D. ULTIMATE SLUDGE MANAGEMENT SITE (See Codes on Reverse) METHOD HAULER FACILITY/OPERATION PERMIT NO. CODE REGISTRY 151 1 1 1 7 2 1 4 1 4 1 10 | U|T | | S| T| A| T| E| E. PATHOGEN REDUCTION INFORMATION (See Codes and Complete Reverse) METHOD FOR DEP USE ONLY FACILITY/OPERATION PERMIT NO. CODE PSRP PFRP E | P | A | S | S | A | I | C | | V | A | L | L | E | Y | 1010121110116

CERTIFICATION OF AUTHENTICITY

ARTHUR A. MARTINELLI
Name of Authorized Agent (Print)

CHIEF CHEMIST

Title

Laboratory Name PASSAIC VALLEY SEWERAGE COMMISSIONERS No. 07250

Cultoth Marlinetto

^{*} Equations for calculation of Dry Tons are on back of form.

To be reported only if sludge is removed from Treatment Works site during the reporting period. If none removed, so state in Section D

Alternative equations may be utilized if approved in writing by NIDEP.

NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

1% Total Solids = .01

20% Total Solids = .20

-T-VWX-008 5/89

New Jersey Department of Environmental Protection Division of Water Resources

Page 1 of 2

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Yr.

REPORTING CATEGORY

0 0 2 1 0 1 6

0 3 |

1 9 9 2

5

2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidixed) Sludge

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002	1 6 8	
Beryllium	01012	0 9 3	*
Cadmium	61527	2 3 4 5	
Chromium	61512	2 4 0 3	
Copper	61506	8 7 9 5	
Iron	01045	6980	
Lead	61503	4754	
Mercury	01260	1 2 2	
Molybdenum	01062	1 1 8 6 0	*
Nickel	61515	6575	
Selenium	61518	0 7 6	*
Zinc	61509	1074	
Selected Chemical P	<u>arameters</u>	·	
Total Näraaa	00005		1 1
Total Nitrogen	00625	1 6 4 1 6	
Ammonia Nitrogen	71845	1 1 4 2	
Nitrate Nitrogen	71850	9.46	
Oil and Grease	00550	1 4 3 5 4 5	
Phenois	46000	3075	
Phosphorus	00665	10800	
Calcium	00916	1 2 1 5 2	<u></u>
Magnesium	00927	2070	
Potassium	00937	2110	
Cyanide .	00720	1 8 3	
Fluoride	00951	930	[*]
Chloride	00940	1 6 8	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli

Chief Chemist

Name of Authorized Agent (Print)

Title

Laboratory Name: Passaic Valley Sewerage Commissioners

Signature

alta le Martinetta MAY 19. 1992

Cert No. 07407

[3]

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo. Yr.

REPORTING CATEGORY

0 0 2 1 0 1 6

0 4 1 1 9 9 9 2 1

| 5 |

FACILITY NAME: PASSAIC VALLEY SEWERAGE COMMISSIONERS

SLUDGE SAMPLING LOCATION: WET AIR OXIDATION (FILTER PRESSED) SLUDGE

PARAMETERS	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Pesticides and PCB's	CODE	(dr.) weight pasts, marka)	DETECTED
Aldrin	39330	[] [] [] [] []	_*_
Chlordane	39350	[] [] [0 0 1] 0	<u> </u>
Dieldrin	39380	1 1 0 0 1 0	<u> </u>
DDT	39370		
Heptachlor	39410	[] [] [0 , 0] [1] [0]	
Lindane	39782	[] [] [] [] [] []	*
PCB's	39516	[]] [] [] [] [] []	• 🗀
Toxaphene	39400	[] [] [0 0 1 1 0]	_*_
Purgeables			
Benzene	34030	1 1 1 1 0 0 4 8	
Carbon tetrachloride	32102	0 0 2 4	<u>L*</u> _
Chloroform	32106	0 0 2 4	_*_
Methylene Chloride	34423	1 1 1 10.01810	
Tetrachloroethylene	34475	[
Trichloroethylene	39180	[] [] [0 0 2 1 4]	
Vinyl chloride	39175	[] [] [0 0 2 4]	*
Base/Neutrals and Acids			
Benzidine	39120	[] [] [2 . 0 [0] 0]	_*_
Benzo(a)pyrene	34247	1 1 1 0 4 0 1 0	_*_
Bis (2-ethylhexyl) phthalate	39100	[] [] [] [5 , 8] 0] 0	
Hexachlorobenzene	39700	0.400	_ * _
Hexachlorobutadiene	39702	1 1 1 0 4 0 0	_*_
N-nitrosodimethylamine	34438	[] [] [0 , 4 0 0]	

CERTIFICATION	OF	AUTHENTICITY
CERTIFICATION	UF	AUTHENTICIT

ARTHUR A. MARTINELLI

CHIEF CHEMIST

Name of Authorized Agent (Print)

Laboratory Name Garden State Laboratories, Inc

Cen No. 20044

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

Pa	ge	1	οf	1
	5		O.L	-

Page 1 of	1		MO. YR.	MO. YR.	
rage 1 OI	1	$0_{1}0_{1}2_{1}1_{1}0_{1}1_{1}6$	0 5 9 2 TI	HRU 015 9 12	
PERMITTEE:	Name _	Passaic Valley Sewe	erage Commi	ssioners	
	Address	600 Wilson Avenue			
		Newark, New Jersey	07105	<u></u>	
FACILITY:	Name _	Passaic Valley Sewe	rage Commi	ssioners	
	Address	600 Wilson Avenue			
	Address	Newark, N.J. 07105	(County)	Essex	
	Telephor	ne <u>(201) 344-1800</u>			
				r reporting pe r reporting pe	
FORMS ATTAC	HED (India	cate Quantity of Each)	OPERA1	TING EXCEPTIONS	
SLUDGE REPORTS	S - SANITAF	RY			YES NO
1 T-VWX-00	7 1	r-vwx-008 1 T-vwx-009	DYE TES	TING	
* SLUDGE REPORT	**	*	TEMPOR	ARY BYPASSING	
T-VWX-01	0A 🔲 1	Γ-VWX-010B	DISINFE	TION INTERRUPTION	
			MONITOR	RING MALFUNCTIONS	
WASTEWATER RE				JT OF OPERATION	
T-VWX-01	' <u> </u>	T-VWX-012T-VWX-013	OTHER		
GROUNDWATER F		/wx-016	1 '	ny "Yes" on reverse side priate space.)	
NPDES DISCHARG	E MONITO	RING REPORT	NOTE:	The "Hours Attended at I	Plant" on the
EPA FORM	A 3320-1		reverse o	f this sheet must also be c	ompleted.
AUTHENTICATI	info of ti subr	rtify under penalty of law that rmation submitted in this doc nose individuals immediately r nitted information is true, acc alties for submitting false info	ument and all a esponsible for urate and comp	ittachments and that, obtaining the informa plete. I am aware that	based on my inquiry stion, I believe the t there are significant
LICENSED OPER	RATOR			ECUTIVE OFFICER or	VE
Name (Printed) _	Phil I	Habrukowich	Name (Printed)	Carmine T. Pe	rrapato
		J S-4 #3972	Tials (Osissasi)	Executive Dir	

Signature

Date _

New Jersey Department of Environmental Protection Division of Water Resources

DOMEST DISCHARGE PERMI	TIC WASTEWAT	TER SLUDGE PRTING PERIOD	REPORT	ING
1 - 1 - 1 - 1 - 1	Mo.	Yr.	CATEGO	PRY I I I I
0 0 2 1 0 FACILITY NAME: Passaic Valley Sewer	1 6 0 5] [1 9 9 2	5	1 Page 2 of 2
A. REPORTING CATEGORY INF				
1. Permitted Wastewater Flow	(MG	D)	A1:	3 3 0 0
2. Industrial Conribution	(% o	f influent)	A2:	1 8
3. Average Daily Septage Treated	(Gall	ons/Day)	A3:	2 3 5 5
B. INFORMATION ON SLUDGE P	RODUCED IN TR	EATMENT PRO		1 41 4 41
1. Average Total Solids of Sludge	(% b	y weight)	B1:	4 4 1
2. Average Daily Sludge Production		ons/Day)	B2:	1 2 8 9 4 6
3. Average Daily Sludge Production	(Dry	Tons/Day	В3:	2 3 6 6 8
**C. INFORMATION ON SLUDGE		ULTIMATE MA	ANAGEME	NT .
1. Complete ONLY If Liquid Sludge Is		oy weight)	C1:	
a. Total Solids of Liquid Sludge		ions/Day	C2:	
b. Average Daily Sludge Removal2. Complete ONLY If Dewatered Sludg			02.	
a. Total Solids of Dewatered Sludge	/01	y weight)	C3:	4 4 1
b. Complete ONE of the following:	, ,	, - 8)		
i. Average Daily Sludge Remov	val (Galle	ons/Day)	C4:	
Total Solids of 2.b.i.		y weight)	C5:	
ii. Average Daily Sludge Remov		Cu. Yds/Day)	C6:	
iii. Average Daily Sludge Remov		Tons/Day)	C7:	5 3 7 3
3. Total Average Daily Sludge Removal		Tons/Day)	C8:	2 3 6 6 8
4. pH of Sludge Removed	·	dard Units)	C9:	1 1 3
D. ULTIMATE SLUDGE MANAGEI	MENT SITE (See C	odes on Reverse)		
METHOD HAULER CODE REGISTRY	FACIL	ITY/OPERATION		PERMIT NO.
5 1 7 2 4 4		SITIAITIEI	1111	
11/12/4/4		SITATIE	_ 	
E. PATHOGEN REDUCTION INFO	RMATION (See Co	des and Complete R	everse)	FOR DEP USE ONLY
CODE FACILITY/OP	ERATION	PERMIT	NO.	PSRP PFRP
D PASSALIC	VALLEY	0021	0 1 6	
CERTIFICATE OF AUTHENTICITY		^	<u> </u>	
	hiaf Chamint	(0, ATT)	de Vialle	
Arthur A Martinelli C Name of Authorized Agent (Print) Tit	hief Chemist	Signature	1 miner co	MAY 16, 1992

Cert No. 07250

946420057

Laboratory Name: Passaic Valley Sewerage Commissioners

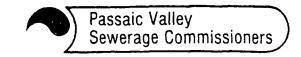
VX before— (VS before X VS after)

NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

1% Total Solids = .01 20% Total Solids = .20 RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

LOUIS LANZILLO

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD	REPORTING	
	Mo. Yr.	CATEGORY	
00021016	0 4 1 9 9 2	5 2	

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
<u>Metals</u>	OODL	(dry weight basis, mg/kg)	DETECTED
Arsenic	01002	2 0 1	
Beryllium	01012	0 5 2	*
Cadmium	61527	1 0 0 5	
Chromium	61512	1 3 7 4	
Copper	61506	2 7 4 5 5	
Iron	01045	2 4 9 0	
Lead	61503	3 1 8 9 5	
Mercury	01260	0 7 3	
Molybdenum	01062	2 0 9	
Nickel	61515	3 5 6 0	
Selenium	61518	0 3 8	*
Zinc	61509	4 0 3	
Selected Chemical	<u>Parameters</u>		
Total Nitrogen	00625	2 5 3 8 5	
Ammonia Nitroger	n 71845	829	
Nitrate Nitrogen	71850	1 8 0	
Oil and Grease	00550	3 6 1 9 9	
Phenols	46000	1 0 1 8	
Phosphorus	00665	4 9 3 0	
Calcium	00916	2 0 5 8 5 0	
Magnesium	00927	2 6 0 0	
Potassium	00937	1 8 0 5	
Cyanide	00720	9 0 5	
Fluoride	00951	3 9 2	
Chloride	00940	5 0 8 0	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) **Chief Chemist**

Signature

JUNE 24, 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

Page 2 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Yr.

REPORTING CATEGORY

0 0 2 1 0 1 6

0 5 1 9 9

5

2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's Toxaphene	39330 39350 39380 39370 39410 39782 39516 39400		* * * * * * * * * * * * * * * * * * * *
Purgeables Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175		* * * * * *
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		* * * * * * * * * * * * * * * * * * *

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist, PVSC

Title

Signature

June 16,1992

Date

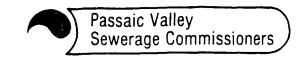
Laboratory Name: Garden State Laboratories, Inc.

Cert No. 20044

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIÉF COUNSEL

> > LOUIS LANZILLO

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

DOMES DISCHARGE PERM	TIC WASTEWA	TER SLUDGE FOR DRIVER PERIOD	REPORTING	
0 0 2 1 0	1 6 0 5		CATEGORY 5	Page 1 of 2
FACILITY NAME: Passaic Valley Sewer				
A. REPORTING CATEGORY INF	ORMATION			
1. Permitted Wastewater Flow	(MG	SD)	A1:	3 3 0 0
2. Industrial Conribution	•	of influent)	A2:	1 8
3. Average Daily Septage Treated	(Gal	lons/Day)	A3:	2 3 5 5
B. INFORMATION ON SLUDGE P	RODUCED IN TR	REATMENT PRO	CESS	1 -1
1. Average Total Solids of Sludge	(% l	oy weight)	B1:	5 4 1
2. Average Daily Sludge Production	(Gal	lons/Day)	B2:	4 5 8 7 3
3. Average Daily Sludge Production	(Dry	Tons/Day	В3:	1 0 3 3 3
**C. INFORMATION ON SLUDGE	REMOVED FOR	ULTIMATE MA	NAGEMENT	'
1. Complete ONLY If Liquid Sludge Is			C1	1 1 1
a. Total Solids of Liquid Sludge		by weight)	C1:	
b. Average Daily Sludge Removal	(Ga	llons/Day	C2:	
2. Complete ONLY If Dewatered Sludg				ا جا ما
a. Total Solids of Dewatered Sludge	(% b	y weight)	C3:	5 4 1
b. Complete ONE of the following:			1	1 1 1 1 1 1
i. Average Daily Sludge Remov	val (Gall	lons/Day)	C4:	
Total Solids of 2.b.i.	(% b	y weight)	C5:	
ii. Average Daily Sludge Remov	val (Wet	Cu. Yds/Day)	C6:	
iii. Average Daily Sludge Remov	val (Wet	Tons/Day)	C7:	1 9 1 1
3. Total Average Daily Sludge Remova	(Dry	Tons/Day)	C8:	1 0 3 3 3
4. pH of Sludge Removed	(Star	idard Units)	C9:	6 0
D. ULTIMATE SLUDGE MANAGE	MENT SITE (See C	Codes on Reverse)		
METHOD HAULER CODE REGISTRY	FACU	JTY/OPERATION		PERMIT NO.
			1 1 1 1	renmii NO.
5 17244	OUTIOF	STATE		
E. PATHOGEN REDUCTION INFO	RMATION (See Co	odes and Complete Rev	verse)	FOR DEBLICE ON V
METHOD FACILITY/OP	ERATION	PERMIT N	10.	FOR DEP USE ONLY PSRP PFRP
E PASSALIC	VALLEY	0021	0 1 6	
CERTIFICATE OF ALITHENTICITY				
CERTIFICATE OF AUTHENTICITY		() A	THE	A
Arthur A.Martinelli C	hief Chemist	Signature Signature	Maline	_MAY 1 5 ,1992

Laboratory Name: Passaic Valley Sewerage Commissioners Cert No. 07250

PATTIOGEN PERUCTION METHOD CORE (4
PATHOGEN REDUCTION METHOD CODE (Appropriate sections must be completed)
A. Anaerobic Digestion: or B. Aerobic Digestion: complete the following:
l. Percent Volatile Solids: UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)
b. After Stabilization (as weight % of TS)
c. Percent Reduction (see equation)
2. Detention Time (Days)
3. Average Temperature (Degrees C)
3. Average Temperature (Degrees C)
C. Air Drying (Report on any beds emptied for the report period)
BED DATE SLUDGE LOADED DEPTH POURED DATE SLUDGE REMOVED
Month Day Year Inches Month Day Year
2.
3. [
4. [
5.
D. State Approved Lime Stabilization
E. Thermal Treatment/Drying
F. Phragmites
G. Composting H. Other (specify here:)
I. None
ULTIMATE SLUDGE MANAGEMENT METHOD CODE
1. Land Application at a NJPDES Permitted Site 2. State Approved Distribution Permit
3. Incineration
4. Ocean Disposal 5. Out of State
6. Residual Not Classified as Sludge, Managed by Hazardous or Waste Flow Regs.
7. Other (specify here:)
8. None Removed
EQUATIONS
A. Dry Tons = Gallons (wet) X Solid Content (of the gallons)
240
B. Dry Tons = Cubic Yards (wet) X Solid Content (of the cubic yards) (Y)
y = 1.185 where solid content is less than 15%
= 1.265 where solid content is 16% to 23%
= 1.58 where solid content is 24% to 29%
= 1.9 where solid content is greater than 30%
C. Dry Tons = Tons (wet) X Solid Content (of the wet tons)
D. Volatile Solids Reduction = VS before X VS after X 100
D. Volatile Solids Reduction = VS before X VS after X 100 VX before— (VS before X VS after)

20% Total Solids = .20

Page 1 of 2

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Yr.

2

REPORTING CATEGORY

0 0 2 1 0 1 6

0 4 1 9 9

5

2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002		
Beryllium	01012	1 1 4	*
Cadmium	61527	2 2 2 5	
Chromium	61512	3 0 4 5	
Copper	61506	8 7 5 1 5	
iron	01045	8 2 0 0	
Lead	61503	9 6 9 5	
Mercury	01260		
Molybdenum	01062	2 7 2	
Nickel	61515	7 9 2 5	
Selenium	61518	0 6 6	*
Zinc	61509	1 1 2 0	
Selected Chemical P	<u>arameters</u>		
Total Nitrogen	00625	2 5 2 6 9	
Ammonia Nitrogen	71845	1 1 3 0 0	
Nitrate Nitrogen	71850		
Oil and Grease	00550	1 1 5 9 5 5	
Phenols	46000	1 1 1 2 7 8	
Phosphorus	00665	1 0 2 3 0	
Calcium	00916	1 6 8 7 5	
Magnesium	00927	2 2 9 4	
Potassium	00937	1 5 3 0	
Cyanide	00720		
Fluoride	00951	1 5 0	
Chloride	00940	7 4	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Title

Signature

Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo.

REPORTING **CATEGORY**

0 0 2 1 0 1

9 9

2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS	STORET	TOTAL PHASE	NONE
Pesticides and PCB's	CODE	(dry weight basis, mg/kg)	DETECTED
Aldrin	39330	0.01	•
Chlordane	39350	0.01	•
Dieldrin	39380	0.01	*
DDT	39370	0 0 1	•
Heptachlor	39410	0 0 1	*
Lindane	39782	0.01	*
PCB's	39516	0 0 1	*
Toxaphene	39400	0 0 1	*
<u>Purgeables</u>			
Benzene	34030		*
Carbon tetrachloride	32102	0.05	*
Chloroform	32106	0 0 5	*
Methylene Chloride	34423	0.05	*
Tetrachloroethylene	34475	0.28	
Trichloroethylene	39180	0.05	*
Vinyl chloride	39175	0.05	*
Base/Neutrals and Acids	i		
Benzidine	39120] 3 0	*
Benzo(a)pyrene	34247	0 6	*
Bis(2-ethylhexyl) phthalate	39100	95	
Hexachlorobenzene	39700	0.6	<u> * </u> *
Hexachlorobutadiene	39702	0.6	<u> </u>
N-nitrosodimethylamine	34438	0.6	•
<u> </u>			

CERTIFICATE OF AUTHENTICITY

Arthur A Martinelli Name of Authorized Agent (Print) Chief Chemist, PVSC

Title

Signature

June 16, 1992 Date

Laboratory Name: Garden State Laboratories. Inc.

Cert No. 20044

Page 1 of 1

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

0 0 2 1 0 1 6

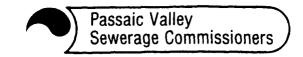
016 912 THRU 016 912

					•		
PERMITTEE:	Name	Passaic Valley Sev					
	Address 600 Wilson Avenue						
	_	Newark, New Jersey 07105					
FACILITY:	Name	Passaic Valley Sewerage Commissioners					
	600 Wilson Avenue						
	_	Newark, N.J. 07105 (County) Essex					
	Telephone	201 , 344-1800					
	·		* For reporting period	6/92			
FORMS ATTACH	ED (Indica	te Quantity of Each)	OPERATING EXCEPTIONS				
SLUDGE REPORTS				YES	NO		
1 T-VWX-007	т.	VWX-008 T-VWX-009	DYE TESTING				
* SLUDGE REPORTS	·INDUSTRI	A L	TEMPORARY BYPASSING				
T-VWX-010		VWX-010B	DISINFECTION INTERRUPTION				
LJ	لبسبا	V X G . G . G	MONITORING MALFUNCTIONS				
WASTEWATER REP			UNITS OUT OF OPERATION				
T-VWX-011		VWX-012T-VWX-013	OTHER	<u>.</u>			
GROUNDWATER REPORTS VWX-015(A,B) VWX-016 VWX-017			(Detail any "Yes" on reverse side in appropriate space.)				
NPDES DISCHARGE MONITORING REPORT EPA FORM 3320-1			NOTE: The "Hours Attended at Plant" on the reverse of this sheet must also be completed.				
- I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.							
LICENSED OPER	ATOR		PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTATIVE	:			
Name (Printed) Phil Habrukowich			Name (Printed) Carmine T. Perrapato				
Grade & Registry No. NJ S-4 #3972		S-4 #3972	Title (Printed)Executive Director				
Signature # ##			Signature Comment Penagol (F)				
Date			Date 7/13/55				

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

5/89	Division of Water Resources						
	DOMESTIC WASTEWATER SLUDGE REPORT						
	DISCHARGE PERI		REPORTING PERIOD	REPORTI			
	002110	116	Mo. Yr. 0 6 1 1 9 9 2	CATEGO 5	HY Page 2 of	2	
FACILITY NAME	· Passaic Valley Sew	erage Commissio	ners			_	
A. REPORTING CATEGORY INFORMATION							
1. Permitted	Wastewater Flow		(MGD)	A1:	3 3 0 0		
2. Industrial	Conribution		(% of influent)	A2:	1 8		
3. Average I	Daily Septage Treated		(Gallons/Day)	A3:	2 4 5 7		
B. INFORMA	TION ON SLUDGE	PRODUCED I	N TREATMENT PRO	CESS			
1. Average	Total Solids of Sludge		(% by weight)	B1:	4 5 5	İ	
2. Average D	Daily Sludge Production		(Gallons/Day)	B2:	1 2 0 2 4 0		
3. Average I	Daily Sludge Production		(Dry Tons/Day	B3:	2 2 7 7 6		
**C. INFORM	IATION ON SLUDG	E REMOVED	FOR ULTIMATE MA	NAGEMEN	NT		
1. Complete	ONLY If Liquid Sludge I	s Removed	en e e e	24	1 1 1	l	
a. Total S	solids of Liquid Sludge		(% by weight)	C1:			
b. Averag	ge Daily Sludge Removal		(Gallons/Day	C2:)	
2. Complete	ONLY If Dewatered Sluc	ige Is Removed			ا - ا، ا		
a. Total S	olids of Dewatered Sludg	ge	(% by weight)	C3:	4 5 5		
b. Compl	ete ONE of the following	:					
i. A	verage Daily Sludge Rem	oval	(Gallons/Day)	C4:		,	
Τo	tal Solids of 2.b.i.		(% by weight)	C5:			
ii. A	verage Daily Sludge Reme	ovai	(Wet Cu. Yds/Day)	C6:			
iii. A	verage Daily Sludge Rem	oval	(Wet Tons/Day)	C7:	5 0 1 0		
3. Total Average Daily Sludge Removal			(Dry Tons/Day)	C8:	2 2 7 7 6		
4. pH of Sluc	ige Removed		(Standard Units)	C9:	1 1 2		
D. ULTIMATE SLUDGE MANAGEMENT SITE (See Codes on Reverse)							
METHOD CODE	HAULER REGISTRY		FACILITY/OPERATION		PERMIT NO.		
5	1 7 2 4 4	OUT O	F STATE				
E. PATHOGEN REDUCTION INFORMATION (See Codes and Complete Reverse)							
METHOD CODE	FACILITY/O	PERATION	PERMIT N	NO .	FOR DEP USE ONL PSRP PFRP	Y.	
D	PASSAIC	IVIAILILE	Y 00211	0 1 6			

Arthur A.Martinelli Name of Authorized Agent (Print) Chief Chemist

Signature

_July 17, 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. 07250

14.5	ATHOGEN REDUCTION METHOD CODE	(Appropriate section	ons must be completed)			
	A. Anaerobic Digestion; or					
B.	Aerobic Digestion; complete the following:	UNIT 1	UNIT 2 UNIT 3			
	1. Percent Volatile Solids:					
	a. Before Stabilization (as weight % of TS)					
	b. After Stabilization (as weight % of TS)					
1	c. Percent Reduction (see equation)					
	2. Detention Time (Days)					
	3. Average Temperature (Degrees C)					
c.	Air Drying (Report on any beds emptied for the rep	oort period)	·			
	BED DATE SLUDGE LOADED	DEPTH POURED	DATE SLUDGE REMOVED			
	Month Day Year	Inches	Month Day Year			
	1.	لـــــا				
	2.	•				
	3.					
	4.	1 1 1				
	5.	1 1 1				
		<u> </u>				
	State Approved Lime Stabilization Thermal Treatment/Drying					
	Phragmites					
	Composting					
	Other (specify here:None					
7 17	TIMATE SLUDGE MANAGEMENT METH	OD CODE				
1		OD CODE				
1.	Land Application at a NJPDES Permitted Site	OD CODE				
1. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit	02 002				
1. 1 2. 3 3. 1 4. 6	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal	OD CODE				
1. 1 2. 3 3. 1 4. 6 5.	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State					
1. 1 2. 3 3. 1 4. 6 5. 6	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz		Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State		Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here:		Regs.			
1. 1 2. 3. 1 4. 6 5. 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS	ardous or Waste Flow	Regs.			
1. 1 2. 3. 1 4. 6 5. 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed	ardous or Waste Flow	Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240) Ory Tons = Cubic Yards (wet) X Solid Content (of the 240)	ardous or Waste Flow l	Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240 Ory Tons = Cubic Yards (wet) X Solid Content (of Y)	ardous or Waste Flow e gallons) of the cubic yards)	Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240 Ory Tons = Cubic Yards (wet) X Solid Content (of Y) y = 1.185 where solid content is	e gallons) of the cubic yards)	Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240 Ory Tons = Cubic Yards (wet) X Solid Content (of Y)	e gallons) of the cubic yards) less than 15% 16% to 23%	Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6 8. 1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240 Ory Tons = Cubic Yards (wet) X Solid Content (of Y) y = 1.185 where solid content is = 1.265 where solid content is	e gallons) of the cubic yards) less than 15% 16% to 23% 4% to 29%	Regs.			
1. 1 2. 3 3. 1 4. 6 5. 6 6. 1 7. 6 8. 1 EQ1	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240 Ory Tons = Cubic Yards (wet) X Solid Content (of the 1.265 where solid content is 1.265 where solid content is 2	e gallons) of the cubic yards) less than 15% 16% to 23% 4% to 29% ater than 30%	Regs.			
1. 1 2. 3. 1 4. 6. 1 7. 6. 1 8. 1 B. I	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240) Ory Tons = Cubic Yards (wet) X Solid Content is = 1.265 where solid content is = 1.58 where solid content is = 1.9 where solid content is gre Ory Tons = Tons (wet) X Solid Content (of the world to the solid Solids Reduction = VS before X	e gallons) of the cubic yards) less than 15% 16% to 23% 4% to 29% ater than 30% ver tons) VS after	Regs.			
1. 1 2. 3. 1 4. 6. 1 7. 6. 1 8. 1 B. I	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240) Ory Tons = Cubic Yards (wet) X Solid Content is = 1.265 where solid content is = 1.58 where solid content is = 1.9 where solid content is gre Ory Tons = Tons (wet) X Solid Content (of the world to the solid Solids Reduction = VS before X	e gallons) of the cubic yards) less than 15% 16% to 23% 4% to 29% ater than 30% vet tons)				
1. 1 2. 3. 1 4. 6. 1 7. 6 8. 1 EOI A. I	Land Application at a NJPDES Permitted Site State Approved Distribution Permit Incineration Ocean Disposal Out of State Residual Not Classified as Sludge, Managed by Haz Other (specify here: None Removed UATIONS Dry Tons = Gallons (wet) X Solid Content (of the 240) Ory Tons = Cubic Yards (wet) X Solid Content is = 1.265 where solid content is = 1.58 where solid content is = 1.9 where solid content is gre Ory Tons = Tons (wet) X Solid Content (of the world to the solid Solids Reduction = VS before X	e gallons) of the cubic yards) less than 15% 16% to 23% 4% to 29% ater than 30% vet tons) VS after perfore X VS after)	X 100			

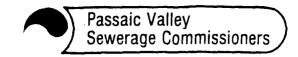
Alternative equations may be utilized if approved in writing by NJDEP

20% Total Solids = .20

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

	DISCHARGE PERM	AIT NO. REP	PORTING PERIOD	REPORTIN			
ĺ	0 0 2 1 0	116 0	o. Yr. 6 1 9 9 2	CATEGOF 5	1 Page 1 of 2		
L		erage Commissioners					
A. REPORTING CATEGORY INFORMATION							
1. Permitted Wa	stewater Flow	(M	GD)	A1:	3300		
2. Industrial Con	ribution	•	of influent)	A2:	1 8		
3. Average Daily	Septage Treated	(Ga	allons/Day)	A3:	2 4 6 7		
B. INFORMATIO	N ON SLUDGE	PRODUCED IN T	REATMENT PRO		ا جا ما		
 Average Total 	Solids of Sludge	-	by weight)	B1:	5 4 2		
•	Sludge Production	•	allons/Day)	B2:	3 6 6 8 8		
	Sludge Production		ry Tons/Day	B3:	8 2 8 2		
**C. INFORMATION ON SLUDGE REMOVED FOR ULTIMATE MANAGEMENT 1. Complete ONLY If Liquid Sludge Is Removed							
-	s of Liquid Sludge is		by weight)	C1:			
	aily Sludge Removal	(G	allons/Day	C2:			
•	LY If Dewatered Slud	ge Is Removed					
•	s of Dewatered Sludge	COT.	by weight)	C3:	5 4 2		
b. Complete C	ONE of the following:						
i. Averag	ge Daily Sludge Remo	oval (Ga	allons/Day)	C4:			
Total S	folids of 2.b.i.	(%	by weight)	C5:			
ii. Averag	ge Daily Sludge Remo	oval (We	et Cu. Yds/Day)	C6:			
iii. Averag	ge Daily Sludge Remo	ovai (We	et Tons/Day)	C7:	1 5 2 9		
3. Total Average	Daily Sludge Remove	al (Dr	y Tons/Day)	C8:	8 2 8 2		
4. pH of Sludge F	temoved	(Sta	andard Units)	C9:	5 9		
D. ULTIMATE SLUDGE MANAGEMENT SITE (See Codes on Reverse)							
METHOD CODE	HAULER REGISTRY	FAC	CILITY/OPERATION		PERMIT NO.		
5 1	7244	OUITI OF	ISITIAITIEL				
E. PATHOGEN REDUCTION INFORMATION (See Codes and Complete Reverse)							
METHOD CODE	FACILITY/O	PERATION	PERMIT I	VO .	FOR DEP USE ONLY PSRP PFRP		
	ASSALIC	VALLEY	0021	0 1 6			
CERTIFICATE OF AUTHENTICITY							
Arthur A.Martinelli Chief Chemist Lille Cle Malinella July 17, 1992							
Name of Authorized Agen		Title	Signature	1 mines	Date 77, 1992		

Cert No. 07250

Laboratory Name: Passaic Valley Sewerage Commissioners

= 1.9 where solid content is greater than 30%

C. Dry Tons = Tons (wet) X Solid Content (of the wet tons)

D. Volatile Solids Reduction = _ VS before X VS after VX before— (VS before X VS after)

NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

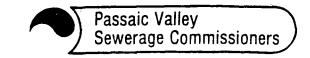
1% Total Solids = .01

20% Total Solids = .20

RONALD W. GIACONIA

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DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

June 8, 1992

Mr. Pete Lynch NJDEPE Division of Water Resources Two Babcock Place West Orange, N.J. 07052

Re: DMR Results for Quarterly Bioassay

Dear Mr. Lynch:

PH/ia/

The result of our Quarterly Acute Bioassay LC₅₀ did not meet our discharge permit requirement of 50 or greater. The result was 42.8. The reason for this violation is unknown, however, (our Consultant) Battelle is continuing its attempt to identify the toxicity problem.

Yours truly

Phil Habrukowich,

Ass't Plant Superintendent



QUARTERLY REPORT

Reduction Evaluation (TI/RE)

Toxicity Identification/

To		
Passaic	Valley Sewera	age Commissioner
Newark	, New Jersey	

Battelle - Great Lakes Environmental Center

946420075

Traverse City, Michigan 49684

	193031	-1235	<u>``</u>
12526272	*	1992	68789
32,425	N A	Onexor's	101172/5
15	205EL	ai t.	5/

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION Division of Water Resources Management Services Element Bureau of Information Systems CN 029

TRENTON, NEW JERSEY 08625

MAY 2 2 1992



PASSAIC VALLEY SEWERAGE COMM 600 WILSON AVENUE NEWARK NJ 07105

RE: Violation of Effluent Limits or Parameter Reporting Requirements of NJPDES Permit on Discharge Monitoring Report. NJPDES Permit No: NJ0021016

Dear Permittee:

The 'Water Pollution Control Act' (hereinafter 'The Act'), N.J.S.A. 58:10A-1 et seq. prohibits the discharge of pollutants, except in conformity with a valid New Jersey Pollutant Discharge Elimination System (hereinafter 'NJPDES') permit pursuant to N.J.A.C. 7:14A-1 et seq.. The Department has issued this facility a permit in accordance with the Act. Your facility was provided an opportunity to comment on the draft permit in accordance with N.J.A.C. 7:14A-8.1. Your facility has been on notice of the requirements of the permit since the final permit was issued.

The Department has determined that your facility is in violation of the 'Water Pollution Control Act' and the implementing regulations (N.J.A.C. 7:14A-1 et seq.) by failing to comply with the following permit condition:

Your Discharge Monitoring Report (DMR) for the period ending 92/03/31 indicated that you are not complying with certain effluent limitations or parameter reporting requirements specified in your permit (see enclosure).

According to the conditions of your permit, it is required that you provide the State and the Regional Administrator with a report concerning any apparent non-compliance, action taken to correct it, and action to be taken to prevent continuation or recurrence of the situation.

Please note that if you are required to monitor and report the parameters Copper, Chromium, or Zinc only if these pollutants are used in water treatment, you must submit your DMR with Code = 'NODI' in the appropriate sample measurement block(s) if these pollutants are not being used. Code 'NODI' will assure that violation notices are not produced for failure to report.

In accordance with N.J.S.A. 58:10A-10.d. and the NJPDES Regulations, specifically N.J.A.C. 7:14-8.5 and 8.9, failure to comply with the NJPDES Permit effluent limits or to submit complete DMR's, respectively, subjects this facility to civil administrative penalties of up to \$50,000 per day per violation, including MANDATORY civil administrative penalties effective July 1, 1991 pursuant to amendments to the Act for Serious Violations, for Significant Non-Compliance Violations, and for failure to submit effluent parameter information within 10 days of receipt of this letter.

Please note that nothing shall preclude the Department from assessing penalties if the missing DMR effluent parameter information was not inadvertently omitted or if the Department was not notified within 30 days of the DMR due date of the existence of extenuating circumstances beyond the control of the permittee.

Furthermore, N.J.S.A. 58:10A-10.f. provides that any person who negligently violates the Act shall, upon conviction, be guilty of a crime of the fourth degree, and shall be subject to a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or by imprisonment, or by both. Any person who purposely, knowingly, or recklessly violates the Act shall, upon conviction, be guilty of a crime of the third degree as a minimum and shall be subject to a fine of not less than \$5,000 nor more than \$75,000 (\$250,000 if the violation causes a significant adverse environmental effect) per day of violation, or by imprisonment, or by both.

If there is a discrepancy between the DMR information you submitted and the violations listed in the enclosure or you have not already submitted the required non-compliance report, please submit the information to me immediately at the address below.

Very truly yours,

Peter T. Lynch, Chief

Metro Bureau of Regional Enforcement 2 Babcock Place West Orange, NJ 07052-5504

Enclosure

NJPDES Number: NJ0021016 Facility Name: PASSAIC VALLEY SEWERAGE COMM

Parameter: TAN3E Description: LC50 STATRE 96HR ACU MYSID. BAHIA

VIOLATION: E90 NUMERIC VIOLATION

Concentration Quantity Average Maximum Minimum Average Maximum

Monitoring Period End Date: 92/03/31 Pipe Num: 001A Mon. Loc.: 1

0.0000 0.0000 42.8000 0.0000 0.0000 MEASUREMENT:

Monitoring Period End Date: 92/03/31 Pipe Num: 001A Mon. Loc.: 1

Parameter: 00300 Description: OXYGEN, DISSOLVED (DO)

VIOLATION: E90 NUMERIC VIOLATION

Concentration Quantity Average Maximum Minimum Average Maximum

MEASUREMENT: 0.0000 0.0000 2.2000 5.3000 0.0000

Monitoring Period End Date: 92/03/31 Pipe Num: 001A Mon. Loc.: 1

Parameter: 00310 Description: BOD, 5-DAY (20 DEG. C)

VIOLATION: E90

NUMERIC VIOLATION Quantity Concentration

Average Maximum Minimum Average Maximum MEASUREMENT: 35792.0000 73782.0000 0.0000 34.0000 74.0000

NJPDES Number: NJ0021016 FACILITY NAME: PASSAIC VALLEY SEWERAGE COMM

Monitoring Period End Date: 92/03/31 Pipe Num: 001A

Mon. Loc.: 1

Parameter: 00556 Description: OIL AND GREASE FREON EXTR-GRAV METH

VIOLATION: E90 NUMERIC VIOLATION

Quantity

Concentration

Average Maximum Minimum ______

Average Maximum

MEASUREMENT: 13969.0000 20188.0000 0.0000

14.1600

20.2800

TRC Viol % :

0%

41%

Monitoring Period End Date: 92/03/31 Pipe Num: 001A

Mon. Loc.: K

Parameter: 81010 Description: BOD, 5-DAY PERCENT REMOVAL

VIOLATION: E90 NUMERIC VIOLATION

Quantity

Concentration

Average Maximum Minimum

Average Maximum

MEASUREMENT:

0.0000

0.0000

20.0000

88.0000

0.0000

MONITORING REPORT - TRANSMITTAL SHEET

Page 1 of 1

NJPDES NO.

REPORTING PERIOD

MO. YR

MO. YR.

0,0,2,1,0,1,6

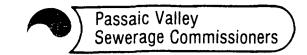
017 912 THRU 017 912

			•			
PERMITTEE:	Name	Passaic Valley Sewera	age Commissio	ners		
	Address	600 Wilson Avenue	_			
		Newark, New Jersey (77105			
,					-	
FACILITY:	Name	Passaic Valley Sewera	ge Commissio	ners	_	
	Address	600 Wilson Avenue			_	
Newark, N.J. 07105 (County) Essex						
	Telephone	(201) 344–1800			-	
	relephone			eporting period 7/92	e (/oo	
				eporting periods 5/92 eporting periods 6/92		
FORMS ATTACH	ED (Indicate	Quantity of Each)	OPERAT	ING EXCEPTIONS		
SLUDGE REPORTS	- SANITARY		,	Yı		
1 T-VWX-007	2 T-V	wx-008 2 T-VWX-009	DYE TEST	ING L		
SLUDGE REPORTS	- INDUSTRIA		TEMPORA	RY BYPASSING		
T-VWX-010)A T-V	WX-010B	DISINFEC	TION INTERRUPTION L		
WASTEWATER REP	ORTS			ING MALFUNCTIONS		
T-VWX-011		WX-012 T-VWX-013		T OF OPERATION		
		1.44.4.613	OTHER	_	,	
VWX-015(A		K-016 WWX-017	E .	y "Yes" on reverse side riate space.)		
NPDES DISCHARGE	MONITORIN	G REPORT	NOTE: T	he "Hours Attended at Plant" (on the	
EPA FORM	3320-1		reverse of	this sheet must also be complet	ed.	
AUTHENTICATIO	inform of thos submit	y under penalty of law that ation submitted in this docing in the decided in the	ument and all at esponsible for o urate and comp	tachments and that, based btaining the information, lete. I am aware that there	on my inquiry believe the are significant	
LICENSED OPERA	ATOR			CUTIVE OFFICER or IZED REPRESENTATIVE		
Name (Printed)	Phil Habr	ukowich	Name (Printed) _	Carmine T. Perrapat	0	
Grade & Registry N	NJ S	-4 [#] 3972	Title (Printed)	Executive Director		
Signature 25	1) Tel	21	Signature M	nord I Temason	1 0 0 1	
Date	-/24/92	,	Date	3/24/90		
			/	9464200)80	

RONALD W. GIACONIA CHAIRMAN

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GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

	DOME DISCHARGE PER		EWATER SLUDG REPORTING PERIOD	REPORTI	
	0002110	0 1 6	Mo. Yr. 0 7 1 9 9	CATEGO	Page 1 of 2
FACILITY NAME:	Passaic Valley Sev				
A. REPORTING	G CATEGORY I	NFORMATIO	N		
1. Permitted W	astewater Flow		(MGD)	A1:	3 3 0 0
2. Industrial Co	onribution		(% of influent)	A2:	1 8
3. Average Dai	ly Septage Treated		(Gallons/Day)	A3:	2 6 1 3
B. INFORMATI	ON ON SLUDGE	E PRODUCED	IN TREATMENT P	ROCESS	-
1. Average Tot	al Solids of Sludge		(% by weight)	B1:	5 8 4
2. Average Dail	y Sludge Production		(Gallons/Day)	B2:	4 7 6 1 2
3. Average Dai	ly Sludge Production	ı <u>.</u>	(Dry Tons/Day	В3:	1 1 5 8 6
			D FOR ULTIMATE	MANAGEMEN	VT .
•	ILY If Liquid Sludge	: Is Removed	(% by weight)	C1:	
	ds of Liquid Sludge		(Gallons/Day	C2:	
•	Daily Sludge Remova		(Ganons/Day	C2.	•
•	NLY If Dewatered Slud ds of Dewatered Slud		(% by weight)	C3:	5 8 4
	ONE of the following	•	(,		
•	age Daily Sludge Rea		(Gallons/Day)	C4:	
	Solids of 2.b.i.		(% by weight)	C5:	
	age Daily Sludge Rei	moval	(Wet Cu. Yds/Day)	C6:	
	age Daily Sludge Rei		(Wet Tons/Day)	C7:	1 9 8 4
	e Daily Sludge Remo		(Dry Tons/Day)	C8:	1 1 5 8 6
4. pH of Sludge			(Standard Units)	C9:	5 2
D. ULTIMATE SI	LUDGE MANAC	EMENT SITE	(See Codes on Reverse)		
METHOD CODE	HAULER REGISTRY		FACILITY/OPERATION		PERMIT NO.
				1 1 1 1 1	t t l l t t t t t
5	1 7 2 4 4	OUT	DF STATE		
E. PATHOGEN R	EDUCTION IN	FORMATION	(See Codes and Complete	Reverse)	
METHOD CODE	FACILITY	OPERATION	PER	MIT NO.	FOR DEP USE ONLY PSRP PFRP
E	PASSALIC	VALLE	Y 002	1016	
CERTIFICATE	SE ALTHENTION	rv			
	OF AUTHENTICIT		154.24	9-74-1-1	// -
Arthur A.Martinelli Name of Authorized Age	ent (Print)	Chief Chemist Title	Signature	- When which	_Aug. 21, 1992 Date

Cert No. <u>07407</u>

Laboratory Name: Passaic Valley Sewerage Commissioners

946420082

DISCHARGE PERMIT NO.	REPORTING	REPORTING		
	Mo.	Yr.	CATEGORY	
0002110116	0 5 1	9 9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS Metals	STORET	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002		
Beryllium	01012	0 9 7	*
Cadmium	61527	2 9 7 5	
Chromium	61512	3 7 1 5 5	
Copper	61506		
Iron	01045	8 5 4 7	
Lead	61503	1 9 5 0 5 0	
Mercury	01260	[1 1
Molybdenum	01062	2 5 0	
Nickel	61515	7 8 2 0	
Selenium	61518	0 7 2	*
Zinc	61509	1 3 6 3 5 0	
Selected Chemical P	<u>arameters</u>		
Total Nitrogen	00625	1 3 2 1 3	
Ammonia Nitrogen	71845	7 3 2	
Nitrate Nitrogen	71850		*
Oil and Grease	00550	1 2 7 5 4 2	
Phenols	46000	4 7 2 5	
Phosphorus	00665	1 1 9 8 0	
Calcium	00916	1 7 4 9 5	
Magnesium	00927	2 3 8 8	
Potassium	00937	7 1 5	
Cyanide	00720	8 5 6	
Fluoride	00951	2 3 7	
Chloride	00940	1 8 2	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print)

Chief Chemist

Signature

July 27, 1992 Date

Laboratory Name: Passaic Valley Sewerage Commissioners

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY
0 0 2 1 0 1 6	0 6 1 9 9 2	5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical Page	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509		*
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	9 9 5 9	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print)

Chief Chemist

Title

Signature

-Aug. 10, 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo. Yr.

REPORTING **CATEGORY**

0 0 2 1 0 1

0 6

9 9 5

2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's Toxaphene	39330 39350 39380 39370 39410 39782 39516 39400		*
Purgeables	39400		
Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175	0.074 0.033 0.033 0.033 0.045 0.033 0.033 0.033 0.033 0.033	* * * * * *
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		* * * * * * * * * * * * * * * * * * * *

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) Chief Chemist, PVSC

Title

Signature

Aug. 17, 1992

Cert No. 20044

Laboratory Name: Garden State Laboratories, Inc.

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD

REPORTING CATEGORY

0 0 2 1 0 1 6

0 7 1 9 9 2

5

2

FACILITY NAME: Pas

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin	39330	[*
Chlordane	39350	0 0 3 0	*
Dieldrin	39380	0.030	*
DDT	39370	0 0 3 0	*
Heptachlor	39410	0 0 3 0	*
Lindane	39782	0 0 3 0	*
PCB's	39516	0 0 3 0	*
Toxaphene	39400	1 1 0 0 3 0	*
<u>Purgeables</u>			
Benzene	34030	0 0 9 1	*
Carbon tetrachloride	32102	0 0 9 1	*
Chloroform	32106	0 0 9 1	*
Methylene Chloride	34423	0.091	*
Tetrachloroethylene	34475	1 0.109	
Trichloroethylene	39180	0.091	*
Vinyl chloride	39175	0.091	*
Base/Neutrals and Acids	<u> </u>		
Benzidine	39120	[*
Benzo(a)pyrene	34247		*
Bis(2-ethylhexyl) phthalate	39100	0 4 0 0	*
Hexachlorobenzene	39700	0.400	*
Hexachlorobutadiene	39702	1 1 0 4 0 0	
N-nitrosodimethylamine	34438	0 4 0 0	

CERTIFIC	ATE	∩E	ALIT		TICITY	,
CENTIFIC	AIC	UE.	AUI	пЕМ		

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist, PVSC

Title

Signature

-<u>Aug. 17, 1992</u> Date

Laboratory Name: Garden State Laboratories. Inc.

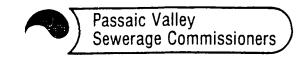
Cert No. 20044

946420086

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

New Jersey Department of Environmental Protection Division of Water Resources

ſ	DOMES DISCHARGE PERM		ATER SLUDGE PORTING PERIOD	REPORTI	NG
1		Mo	o. Yr.	CATEGO	RY 1 Page 2 of 2
EACILITY NAME: P	0 0 2 1 0 Passaic Valley Sewe	1 6 0 rage Commissioners	7 1 9 9 2	5	1 rage - 01 -
A. REPORTING					
1. Permitted Was			GD)	A1:	3300
2. Industrial Conf	ributio n	(%	of influent)	A2:	1 8
3. Average Daily	Septage Treated	(Ga	allons/Day)	A3:	2 6 1 3
B. INFORMATIO	N ON SLUDGE I	PRODUCED IN T	REATMENT PRO	CESS	
1. Average Total	Solids of Sludge	(%	by weight)	B1:	4 5 7
2. Average Daily S	Sludge Production	(Ga	illons/Day)	B2:	8 7 7 1 6
3. Average Daily	Sludge Production	(Dr	y Tons/Day	B3:	1 6 7 0 7
**C. INFORMATI			R ULTIMATE MA	NAGEMEN	T
	Y If Liquid Sludge Is		by weight)	C1:	1 1 1
	of Liquid Sludge		allons/Day	C2:	
J	ily Sludge Removal		unous/Day	C2.	
	Y If Dewatered Sludg	(01	by weight)	C3:	4 5 7
	of Dewatered Sludge	, (//	by weight)	C5.	
•	NE of the following: Daily Sludge Remo	val (Ga	llons/Day)	C4:	
J	olids of 2.b.i.	· 	by weight)	C5:	
	Daily Sludge Remo		et Cu. Yds/Day)	C6:	
_	e Daily Sludge Remo		et Tons/Day)	C7:	3 6 5 5
_	Daily Sludge Remova		y Tons/Day)	C8:	1 6 7 0 7
4. pH of Sludge R		•	ndard Units)	C9:	1 1 3
D. ULTIMATE SLU	JDGE MANAGE	MENT SITE (See	Codes on Reverse)		
METHOD	HAULER REGISTRY		LUTY/OPERATION		PERMIT NO.
[5] [1]	7 2 4 4	OUT OF	S T A T E		
E. PATHOGEN RE	DUCTION INFO	RMATION (See C	Codes and Complete Re	everse)	
METHOD CODE	FACILITY/OF		PERMIT		FOR DEP USE ONLY PSRP PFRP
D P	AISISIAIICI	VALLEY	0021	0 1 6	
CERTIFICATE OF	AUTHENTICITY		A section		· // ·
Arthur A.Martinelli	<u>C</u>	hief Chemist	1 with the Th	Marly	_Aug. 21, 1992
Name of Authorized Agent	(Print) Ti	tle	Signature	-1	Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07250</u>

DISCHARGE PERMIT NO.	REPORTING PERIOD	
	Mo. Yr.	CATEGORY
0 0 2 1 0 1 6	0 5 1 9 9	2 5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium	01002 01012	2 3 7	*
Cadmium	61527	0 5 1	
Chromium	61512	1 2 4 5	
			<u> </u>
Copper ,	61506	3 3 5	
Iron 	01045	2 4 1 5	
Lead	61503	7 5 7 8	
Mercury	01260	1 0 3	
Molybdenum	01062	2 1 6	
Nickel	61515	4 3 0 0	
Selenium	61518	0 5 4	*
Zinc	61509	5 1 0	
Selected Chemical P	<u>arameters</u>		
Total Nitrogen	00625	_ 3 1 4 3 8	
Ammonia Nitrogen	71845	8 5 6	
Nitrate Nitrogen	71850	1 8 9	
Oil and Grease	00550	3 4 0 1 4	
Phenois	46000	2 3 9 5	
Phosphorus	00665	4400	
Calcium	00916	1 5 6 5 5 0	
Magnesium	00927	2 2 4 0	
Potassium	00937	921	
Cyanide	00720	2 2 2 5	
Fluoride	00951		
Chloride	00940	3 1 6 0	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Chief Chemist Signature

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

946420089

—July 27, 1992 Date

DISCHARGE PERMIT NO.	REPORTIN	G PERIOD	REPORTING	
	Mo.	Yr.	CATEGORY	
0002110116	0 6	1 9 9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical Pa	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509	1 7 8 1 0 3 7 1 2 3 5 3 7 1 7 2 8 1 5 3 7 5 3 7 5 3 7 5 3 7 5 3 7 5 3 7 5 3 7 5 3 7 1 4 0 4 4 0 4 4 6 5 6 0 9 5 5	*
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	2 6 3 4 7 6 1 7 2 1 9 7 8 2 9 4 9 5 8 1 0 1 2 1 4 5 0 2 2 3 0 1 2 1 4 5 0 1 2 2 3 0 1 3 1 5 4 5 1 0	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print)

Chief Chemist

Title

Signature

-Àug. 10, 1992 Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD

REPORTING CATEGORY

0 0 2 1 0 1 6

0 | 6 | | 1 | 9 | 9 | 2

5

2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's	39330 39350 39380 39370 39410 39782 39516		* * * *
Toxaphene Purgeables	39400	0.01	_*
Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175	0 0 4 5 0 0 4 5 0 0 4 5 0 0 4 5 0 1 8 8 0 0 4 5 0 0 4 5 0 0 4 5 0 0 4 5	* * * * * * * * * * * * * * * * * * * *
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		* * * * *

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist, PVSC

Title

Signature

-Aug. 17, 1992 Date

Laboratory Name: Garden State Laboratories, Inc.

New Jersey Department of Environmental Protection Division of Water Resources

Page 2 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD

REPORTING CATEGORY

0 0 2 1 0 1

2 9 9 0

2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin	39330	0.010	*
Chlordane	39350	0 0 1 0	*
Dieldrin	39380	0,010	*
DDT	39370	0010	*
Heptachlor	39410	0 0 1 0	*
Lindane	39782	0 0 1 0	<u> </u>
PCB's	39516	0 0 1 0	*
Toxaphene	39400	0 0 1 0	*
<u>Purgeables</u>			
Benzene	34030	0 0 3 7	*
Carbon tetrachloride	32102	0 0 3 7	*
Chloroform	32106	0 0 3 7	*
Methylene Chloride	34423	0.037	*
Tetrachloroethylene	34475	1 0.076	
Trichloroethylene	39180	0.037	
Vinyl chloride	39175	0.037	*
Base/Neutrals and Acids	i		
Benzidine	39120		*
Benzo(a)pyrene	34247	0 5 0 0	•
Bis(2-ethylhexyl) phthalate	39100	1 1 1 2 0 0	
Hexachlorobenzene	39700	1 1 0 5 0 0	*
Hexachlorobutadiene	39702	1 0 5 0 0	*
N-nitrosodimethylamine	34438	0 5 0 0	*
	<u>:</u>	L	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) Chief Chemist, PVSC

Title

Signature

Laboratory Name: Garden State Laboratories, Inc.

MONITORING REPORT - TRANSMITTAL SHEET

Page 1 of 1

NUPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

946420093

002110116

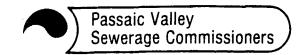
018 9 12 THRU 018 9 2

PERMITTEE:	Name	Passaic Valley Sewera	ge Commissioners			
remittee.	600 Wilson Avenue					
	Address	Newark, New Jersey O	77105			
FACILITY:	Name	Passaic Valley Sewera	ge Commissioners			
	Address	600 Wilson Avenue				
	Addits	Newark, N.J. 07105	(County) Essex			
	Telephone	(201) 344–1800				
			* For reporting period ** For reporting period			
FORMS ATTACH	ED (Indicat	e Quantity of Each)	OPERATING EXCEPTIONS			
SLUDGE REPORTS	- SANITARY			YES	NO	
T-VWX-007	1 T.V	/WX-008 1 T-VWX-009	DYE TESTING			
	*	**	TEMPORARY BYPASSING			
SLUDGE REPORTS			DISINFECTION INTERRUPTION			
T-VWX-010	AT.V	/WX-010B	MONITORING MALFUNCTIONS			
WASTEWATER REP	ORTS		UNITS OUT OF OPERATION			
T-VWX-011	T-v	/WX-012 T-VWX-013	OTHER			
GROUNDWATER RE	PORTS		(Detail any "Yes" on reverse side			
WX-015(A	,B)vw	X-016VWX-017	in appropriate space.)			
NPDES DISCHARGE	MONITORIN	NG REPORT	NOTE: The "Hours Attended at Plans	t" on th	ie	
EPA FORM	3320-1		reverse of this sheet must also be comp	ileted.		
AUTHENTICATIO	inform of tho submi	nation submitted in this doci se individuals immediately re tted information is true, acc	I have personally examined and am fanument and all attachments and that, bas esponsible for obtaining the information urate and complete. I am aware that the mation including the possibility of fine	ed on n, I bei ere are	my inquir lieve the significan	
LICENSED OPERA	ATOR		PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTATIVE			
Name (Printed)	Phil Habr	rukowich	Name (Printed) Carmine T. Perrapa	to		
Grade & Registry N	NJ	S-4 #3972	Title (Printed) Executive Director	•	be en	
Signature	KY Hal		Signature Canana Then	age:		
Date9	132/25		Date			

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JA.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

DISCHARGE PERMIT NO.	REPORTIN	G PERIOD	REPORTING	
	Mo.	Yr.	CATEGORY	
0 0 2 1 0 1 6	0 7	1 9 9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002	_ 2 6 3	
Beryllium	01012		*
Cadmium	61527	2 1 4	
Chromium	61512	4 4 6 5	
Copper	61506	7 8 2 3 5	
Iron	01045	9 7 3 0	
Lead	61503	1 7 4 2 5	
Mercury	01260	_	
Molybdenum	01062	7 6 3	
Nickel	61515	8 3 5	
Selenium	61518	0 5 7	*
Zinc	61509	1 6 7 9 5	
Selected Chemical P	<u>Parameters</u>		
Total Nitrogen	00625	9 4 2 6	f I
Ammonia Nitrogen	71845		
Nitrate Nitrogen	71850		
Oil and Grease	00550	1 1 9 0 0 7	
Phenois	46000		
Phosphorus	00665	1 3 6 4 0	
Calcium	00916	1 2 9 0 5	
Magnesium	00927	2 4 9 1	
Potassium	00937	6 1 4	
Cyanide	00720	2 8 9	
Fluoride	00951	9 3 4	
Chloride	00940	3 3 6	

CERTIFICATE OF AUTHENTICITY

Name of Authorized Agent (Print)

Arthur A.Martinelli Chief Chemist

Signature

_SEP 17, 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Title

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo.

9

REPORTING **CATEGORY**

0 0 2 1 0 1

8 9

2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin	39330		
Chlordane	39350	0 0 1	*
Dieldrin	39380		*
DDT	39370	0 0 1	*
Heptachlor	39410		*
Lindane	39782	0 0 1	*
PCB's	39516	0 0 3	
Toxaphene	39400		*
<u>Purgeables</u>		•	
Benzene	34030	0 4	*
Carbon tetrachloride	32102	0 4	*
Chloroform	32106		*
Methylene Chloride	34423	0.4	*
Tetrachloroethylene	34475		*
Trichloroethylene	39180	0.4	*
Vinyl chloride	39175	0.4	*
Base/Neutrals and Acids	i		
Benzidine	39120		*
Benzo(a)pyrene	34247	0 2	*
Bis(2-ethylhexyl) phthalate	39100	0 2	
Hexachlorobenzene	39700	0.2	<u> </u>
Hexachlorobutadiene	39702	0.2	•
N-nitrosodimethylamine	34438	0 2	*
<u> </u>			

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli

Chief Chemist, PVSC

Name of Authorized Agent (Print)

Title

Signature

9/3/92

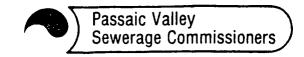
Date

Laboratory Name: Garden State Laboratories, Inc.

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY
1010121101161	0 7 1 9 9 2	5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical P	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509		*
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	1 8 9 0 6 1 5 1 2 1 1 5 8 6 5 6 4 6 1 4 7 1 5 1 1 3 8 0 0 1 2 0 1 1 1 8 4 2 1 1 4 7 3 1 8 1 4 0	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli	Chief Chemist	lithy the 1	Martinetto	_SEP 17, 1992
Name of Authorized Agent (Print)	Title	Signature	1	Date

Laboratory Name: Passaic Valley Sewerage Commissioners

New Jersey Department of Environmental Protection Division of Water Resources

Page 2 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.	REPORTII	NG PERIOD Yr.	REPORTING CATEGORY
00021016	0 8	1 9 9 2	5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's Toxaphene	39330 39350 39380 39370 39410 39782 39516 39400		*
Purgeables Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175		* * * * * *
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		*

CERTIFICAT	E OF AUT	HENT	ICITY

Arthur A.Martinelli Chief Chemist. PVSC
Name of Authorized Agent (Print) Title

Signature

- <u>9/3/92</u>

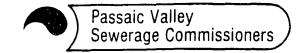
Laboratory Name: Garden State Laboratories, Inc.

		MONITORING REPORT	- TRANSMITTAL SHEET		
ge 1 of 1		NJPDES NO.	REPORTING PERIOD MO. YR. MO. YR.		
		0,0,2,1,01,6	019 912 THRU 019 912		
PERMITTEE:	Name	Passaic Valley Se	werage Commissioners		
	Address	600 Wilson Avenue			
	_	Newark, New Jerse	y 07105		
FACILITY:	Name	Passaic Valley Ser	werage Commissioners		
	Address	600 Wilson Avenue			
		Newark, N.J. 0710	5 (County) Essex		
FORMS ATTACH	Telephone		* For reporting periods 8/92 ** For reporting period 8/92 *** For reporting period 9/92 OPERATING EXCEPTIONS	? & 9/	/92
SLUDGE REPORTS	- SANITARY		<u>.</u>	YES	NO
2 T-VWX-007		WX-008 1 T-VWX-009	DYE TESTING		
* SLUDGE REPORTS	** - INDUSTRIA	***	TEMPORARY BYPASSING		
T-VWX-010	AT-V	WX-010B	DISINFECTION INTERRUPTION		
WASTEWATER REP	ORTS		MONITORING MALFUNCTIONS UNITS OUT OF OPERATION		
T-VWX-011	T-v	WX-012 T-VWX-013	OTHER		
GROUNDWATER RE	PORTS		(Detail any "Yes" on reverse side	,	
WX-015(A	,в)vw:	X-016 WWX-017	in appropriate space.)		
NPDES DISCHARGE	MONITORIN	G REPORT	NOTE: The "Hours Attended at Plan	t" on t	he
EPA FORM	3320-1		reverse of this sheet must also be com	pleted.	
- I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.					
LICENSED OPERA	ATOR		PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTATIVE		
Name (Printed)	Phil Ha	brukowich	Name (Printed) Carmine T. Per	rapa	to
Grade & Registry N	NJ S	4 (#3972	Title (Printed) Executive Dire	ctor	
Signature	V Hale		Signature		,
Date	6/22/92	·	Date	<u>`</u>	

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLÓ
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

5/89		Divis	ion of Water Resources			
	DOMES DISCHARGE PERM		EWATER SLUDG REPORTING PERIOD Mo. Yr.			
	0002110	1 6	0 8 1 9 9	2 5	1 Page 1	of 2
FACILITY NAM	0 0 1 - 1 . 1 0					
A. REPORT	TING CATEGORY IN	FORMATIO	N		(1 1	
1. Permitte	ed Wastewater Flow		(MGD)	A1:	3 3 0	0
2. Industri	al Conribution		(% of influent)	A2:	1	8
3. Average	e Daily Septage Treated		(Gallons/Day)	A3:	2 6 7	7 7
B. INFORMA	ATION ON SLUDGE	PRODUCED	IN TREATMENT P	ROCESS	1 .1	J
1. Average	e Total Solids of Sludge		(% by weight)	B1:	5 4	9
2. Average	Daily Sludge Production		(Gallons/Day)	B2:	3 6 6 9	7
3. Average	Daily Sludge Production		(Dry Tons/Day	В3:	8 3 9	5
1	MATION ON SLUDG		FOR ULTIMATE	MANAGEMEN	NT	
_	e ONLY If Liquid Sludge Is	s Removed	(07 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	C1.	1 1	ı
	Solids of Liquid Sludge		(% by weight)	C1:		
i	age Daily Sludge Removal		(Gallons/Day	C2:		
1	te ONLY If Dewatered Slud	•	(27 1	<i>G</i> 2.	اجاء	al
1	Solids of Dewatered Sludg		(% by weight)	C3:	5 4	9
· -	plete ONE of the following:		(C /D)	24		
1	Average Daily Sludge Remo	oval	(Gallons/Day)	C4:		<u></u>
	Total Solids of 2.b.i.		(% by weight)	C5:		•
!	Average Daily Sludge Remo		(Wet Cu. Yds/Day)	C6:		•
1	Average Daily Sludge Remo		(Wet Tons/Day)	C7:	1 5 2	9
	verage Daily Sludge Remov	al	(Dry Tons/Day)	C8:	8 3 9	5
4. pH of Sh	udge Removed		(Standard Units)	C9:	5	9
	E SLUDGE MANAGE	EMENT SITE	(See Codes on Reverse)			
METHOD CODE	HAULER REGISTRY		FACILITY/OPERATION		PERMIT NO.	
5	1 7 2 4 4	OUTLC	DF STATE			
	N REDUCTION INFO	RMATION	(See Codes and Complete	e Reverse)	EOD DED HEL	- ONT V
METHOD CODE	FACILITY/O	PERATION	PERM	MIT NO.	FOR DEP USE	E ONL Y PFRP
E	PASSALIC	VALLE	Y 002	1016		 [
1 1				. — — —]

CERTIFIC	ΔTF	OF A	JITHE	NTICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Signature

_Sep 28, 1992

Date

Laboratory Name: Passaic Valley Sewerage Commissioners

B. Aerobic Digestion; complete the fo	llowing: UNIT 1	UNIT 2	UNIT 3	
a. Before Stabilization (as weig	ht % of TS)	ا لنا	<u> </u>	
b. After Stabilization (as weig	ht % of TS)		1 • 1	
c. Percent Reduction (see equa	tion)	<u> </u>	<u> </u>	•
2. Detention Time (Days)				
3. Average Temperature (Degrees	C)		<u></u>	
C. Air Drying (Report on any beds emp	tied for the report period)			
BED DATE SLUDGE LO. Month Day	ADED DEPTH POURE Year Inches	D DATE S Month	SLUDGE REMOVED Day Year	
1.	<u> </u>			
2.				
3.		الللا		
4.				
5.				
D. State Approved Lime Stabilization E. Thermal Treatment/Drying F. Phragmites G. Composting H. Other (specify here:		,		
I. None				
ULTIMATE SLUDGE MANAGEM	ENT METHOD CODE			

- 1. Land Application at a NJPDES Permitted Site
- 2. State Approved Distribution Permit
- 3. Incineration
- 4. Ocean Disposal
- 5. Out of State
- 6. Residual Not Classified as Sludge, Managed by Hazardous or Waste Flow Regs.
- 7. Other (specify here: __
- 8. None Removed

EQUATIONS

A. Dry Tons = Gallons (wet) X Solid Content (of the gallons)

B. Dry Tons = Cubic Yards (wet) X Solid Content (of the cubic yards)

(Y)

y = 1.185 where solid content is less than 15%

= 1.265 where solid content is 16% to 23%

= 1.58 where solid content is 24% to 29%

= 1.9 where solid content is greater than 30%

C. Dry Tons = Tons (wet) X Solid Content (of the wet tons)

VS before X VS after D. Volatile Solids Reduction = __ VX before— (VS before X VS after)

NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

1% Total Solids = .01

20% Total Solids = .20

New Jersey Department of Environmental Protection Division of Water Resources

5/89		Division of	water Hesources				
			ATER SLUDGI				
	DISCHARGE PERM		PORTING PERIOD	REPORT CATEGO			
	1010121110	1 6 0		2 5	111	Page 1	of 2
FACILITY N	<u></u>						
A. REPO	RTING CATEGORY IN	FORMATION					
l. Perm	itted Wastewater Flow	(N	AGD)	A1:	Ĺ	3 3 0	0
2. Indus	strial Conribution	(9	% of influent)	A2:		<u> 1</u>	8
3. Aver	age Daily Septage Treated	(0	Gallons/Day)	A3:		2 1 0	0
B. INFOR	MATION ON SLUDGE	PRODUCED IN T	REATMENT PR	OCESS			
l. Aver	age Total Solids of Sludge	(%	6 by weight)	B1:		5 5	0
Į.	ge Daily Sludge Production		Gallons/Day)	B2:	3	0 8 9	1 1
3. Avera	age Daily Sludge Production	(D	Pry Tons/Day	В3:		7 0 7	8
**C. INFO	RMATION ON SLUDG	E REMOVED FO	R ULTIMATE M	IANAGEMEN	NT		
1. Comp	lete ONLY If Liquid Sludge Is			_			(
a. To	otal Solids of Liquid Sludge		% by weight)	C1:			•
b. A	verage Daily Sludge Removal	((Gallons/Day	C2:			
2. Comp	olete ONLY If Dewatered Slud	ge Is Removed				1 -1	1
a. To	tal Solids of Dewatered Sludg	e (%	by weight)	C3:		5 5	0
b. Co	omplete ONE of the following:				1 1	1 1	1 1
i.	Average Daily Sludge Remo	oval (G	allons/Day)	C4:			
	Total Solids of 2.b.i.	(%	by weight)	C5:			•
ii.	Average Daily Sludge Remo	oval (W	et Cu. Yds/Day)	C6:			
iii.	Average Daily Sludge Remo	oval (W	et Tons/Day)	C7:		1 2 8	7
3. Total	Average Daily Sludge Remov	al (D	ry Tons/Day)	C8:		7 0 7	8
4. pH of	Sludge Removed	(St	tandard Units)	C9:		5	4
1	TE SLUDGE MANAGE	MENT SITE (See	e Codes on Reverse)				
METHO CODE		FA	CILITY/OPERATION		P	PERMIT NO.	
5	17244	OUT OF	STATE				
	GEN REDUCTION INFO	DRMATION (See	Codes and Complete	Reverse)			
METHO CODE	EACH ITV/O	PERATION	PERM	IIT NO.		OR DEP USE PSRP F	E ONLY PFRP
E	PASSAIC	VALLEY	002	1 0 1 6			
					1		

CERTIF	OF A	IITHEN	ITICITY
1.55	 1 1 - 4		W I #1 .1 I Y

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Juliu Ch Mestenett.
Signature

_Oct 21,1992

Date

Laboratory Name: Passaic Valley Sewerage Commissioners

NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:

1% Total Solids = .01

20% Total Solids = .20

DISCHARGE PERMIT NO.	REPORTING PERIOD	REPORTING
	Ma. Yr.	CATEGORY
0 0 2 1 0 1 6	0 8 1 9 9 2	5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury	01002 01012 61527 61512 61506 01045 61503 01260	1 5 6 0 8 4 1 9 7 5 4 8 4 5 5 1 0 0 0 6 5 1 0 2 0 0 1 3 7 3	*
Molybdenum Nickel Selenium Zinc Selected Chemical Pa	01062 61515 61518 61509 arameters	1 8 1 8 5 3 5 0 6 4 1 8 6 9	___\
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium	00625 71845 71850 00550 46000 00665 00916	1 6 4 7 0 5 1 4 1 7 2 8 6 0 4 3 0 1 4 5 0 0 1 5 0 7 0 3 0 2 5	
Potassium Cyanide Fluoride Chloride	00937 00720 00951 00940	7 5 9 5 1 0 4 3 5 5	

CERTIFICATE OF AUTHENTICITY

Chief Chemist Arthur A.Martinelli Name of Authorized Agent (Print)

Signature

-Oct 21, 1992 Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

New Jersey Department of Environmental Protection Division of Water Resources

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo. Yr.

REPORTING CATEGORY

0 0 2 1 0 1 6

0 9 1 9 9 2

5

2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's	39330 39350 39380 39370 39410 39782 39516		*
Toxaphene Purgeables	39400	0.01	*
Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175		* * * * * * * * * * * * * * * * * * * *
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		* * * * * * * * * * * * * * * * * * * *

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist, PVSC

Title

Signature

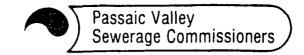
Oct 21, 1992

Laboratory Name: Garden State Laboratories, Inc.

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

New Jersey Department of Environmental Protection Division of Water Resources

DISCHARGE PERMIT NO. REPORTING PERIOD REPORTING CATEGORY OOO2110116 08 1992 5 FACILITY NAME: Passaic Valley Sewerage Commissioners	
\\	1 Page 2 of 2
A. REPORTING CATEGORY INFORMATION	
1. Permitted Wastewater Flow (MGD) A1:	3 3 0 0
2. Industrial Conribution (% of influent) A2:	1 8
3. Average Daily Septage Treated (Gallons/Day) A3:	2 6 7 7
B. INFORMATION ON SLUDGE PRODUCED IN TREATMENT PROCESS	
1. Average Total Solids of Sludge (% by weight) B1:	4 7 4
2. Average Daily Sludge Production (Gallons/Day) B2:	1 1 7 9 1
3. Average Daily Sludge Production (Dry Tons/Day B3:	2 2 0 5 7
**C. INFORMATION ON SLUDGE REMOVED FOR ULTIMATE MANAGEMENT	
1. Complete ONLY If Liquid Sludge Is Removed	1 1
a. Total Solids of Liquid Sludge (% by weight) C1:	
b. Average Daily Sludge Removal (Gallons/Day C2:	
2. Complete ONLY If Dewatered Sludge Is Removed	4 7 4
a. Total Solids of Dewatered Sludge (% by weight) C3:	4 7 4
b. Complete ONE of the following:	
i. Average Daily Sludge Removal (Gallons/Day) C4:	
Total Solids of 2.b.i. (% by weight) C5:	
ii. Average Daily Sludge Removal (Wet Cu. Yds/Day) C6:	4 6 5 8
iii. Average Daily Sludge Removal (Wet Tons/Day) C7:	
3. Total Average Daily Sludge Removal (Dry Tons/Day) C8:	2 2 0 5 7
4. pH of Sludge Removed (Standard Units) C9:	1 1 2
D. ULTIMATE SLUDGE MANAGEMENT SITE (See Codes on Reverse) METHOD HAULER	
CODE REGISTRY FACILITY/OPERATION	PERMIT NO.
5 17244 OUT OF STATE	
E. PATHOGEN REDUCTION INFORMATION (See Codes and Complete Reverse)	
METHOD SACULTY/ORGANIAN DEDUTATION	FOR DEP USE ONLY PSRP PFRP
CODE FACILITY/OPERATION PERMIT NO.	
D PASSAIC VALLEY 0021016	
CODE	
CODE	

Laboratory Name: Passaic Valley Sewerage Commissioners

Chief Chemist

Arthur A.Martinelli

Name of Authorized Agent (Print)

Cert No. 07250

Signature

_Sep 28, 1992

Date

5/89	
PATHOGEN REDUCTION METHOD CODE (Appropriate sections must be completed)	
A. Anzerobic Digestion; or B. Aerobic Digestion; complete the following:	
1. Percent Volatile Solids: UNIT 1 UNIT 2 UNIT 3	
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	•
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the report period)	
BED DATE SLUDGE LOADED DEPTH POURED DATE SLUDGE REMOVED Month Day Year Inches Month Day Year	
1. [
2.	
3.	
4.	
5.	
D. State Approved Lime Stabilization E. Thermal Treatment/Drying F. Phragmites G. Composting H. Other (specify here:) I. None	
ULTIMATE SLUDGE MANAGEMENT METHOD CODE	
1. Land Application at a NJPDES Permitted Site 2. State Approved Distribution Permit	
3. Incineration	
4. Ocean Disposal 5. Out of State	
6. Residual Not Classified as Sludge, Managed by Hazardous or Waste Flow Regs.	
7. Other (specify here:) 8. None Removed	
FOULTIONS	
EQUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of the gallons) 240	
B. Dry Tons = Cubic Yards (wet) X Solid Content (of the cubic yards) (Y)	
y = 1.185 where solid content is less than 15%	
= 1.265 where solid content is 16% to 23% = 1.58 where solid content is 24% to 29%	
= 1.9 where solid content is greater than 30%	
C. Dry Tons = Tons (wet) X Solid Content (of the wet tons)	
D. Volatile Solids Reduction = VS before X VS after X 100 VX before— (VS before X VS after)	
NOTE: The total and volatile solid contents in the above equations must be expressed as a decimal, for example:	
1% Total Solids = .01	

20% Total Solids = .20

T-VWX-007 5/89		•	epartment of Environmental Protectivision of Water Resources	tion		
3,03	DOMES		STEWATER SLUDG	E REPORT	•	
	DISCHARGE PERI		REPORTING PERIOD	REPOR	TING	
	0 0 2 1 0	1 6	Mo. Yr.	CATEG	OHY 1 Page 2	of 2
FACILITY NAME	Passaic Valley Sewi	erage Commi	ssioners			
A. REPORT	ING CATEGORY IN	FORMATI	ON		امامام	
1. Permittee	d Wastewater Flow		(MGD)	A1:	330) 0
2. Industria	1 Conribution		(% of influent)	A2:		8
3. Average	Daily Septage Treated		(Gallons/Day)	A3:	2 1	0 0
B. INFORMA	TION ON SLUDGE	PRODUCE	D IN TREATMENT PE	ROCESS		
l. Average	Total Solids of Sludge		(% by weight)	B1:	4	4 5
2. Average l	Daily Sludge Production		(Gallons/Day)	B2:	1 0 4 6	3 9
3. Average	Daily Sludge Production		(Dry Tons/Day	B3:	1 9 4	0 2
**C. INFORM	MATION ON SLUDG	E REMOV	ED FOR ULTIMATE N	MANAGEME	ENT	
I. Complete	ONLY If Liquid Sludge I	s Removed			1 1	1
a. Total	Solids of Liquid Sludge		(% by weight)	C1:		-
b. Avera	ge Daily Sludge Removal		(Gallons/Day	C2:		
2. Complete	ONLY If Dewatered Sluc	ige Is Remove			1 41	1
a. Total	Solids of Dewatered Sludg	ge	(% by weight)	C3:	4 4	1 5
b. Comp	lete ONE of the following	•				1 1
i. A	verage Daily Sludge Remo	oval	(Gallons/Day)	C4:		
T	otal Solids of 2.b.i.		(% by weight)	C5:		-
ii. A	verage Daily Sludge Remo	oval	(Wet Cu. Yds/Day)	C6:		•
iii. A	verage Daily Sludge Remo	oval	(Wet Tons/Day)	C7:	4 3 6	<u>0</u>
3. Total Ave	erage Daily Sludge Remov	al	(Dry Tons/Day)	C8:	1 9 4 (2
4. pH of Slu	dge Removed		(Standard Units)	C9:	1 1	1 2
D. ULTIMATE	E SLUDGE MANAGE	EMENT SIT	E (See Codes on Reverse)			
METHOD CODE	HAULER REGISTRY		FACILITY/OPERATION		PERMIT NO.	
5	1 7 2 4 4	OUIT	OF STATE			
	N REDUCTION INFO	ORMATIO	N (See Codes and Complete	Reverse)	FOR DEP US	E ONT V
METHOD CODE	FACILITY/C	PERATION	PERM	AIT NO.	PSRP	PFRP
D	PASSAIC	VALL	EY 002	1016		
1 1		1 1 1 1		1 1 1 1	1 1 1	1 1

Arthur A.Martinelli
Name of Authorized Agent (Print) Chief Chemist Signature

_Oct 21, 1992 Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07250</u>

PATHOGEN REDUCTION METHOD CODE	(Appropriate sections	must be completed)	
A. Anaerobic Digestion; or			
B. Aerobic Digestion; complete the following: 1. Percent Volatile Solids:	UNIT 1	UNIT 2 UNIT 3	
a. Before Stabilization (as weight % of TS)	11	1 • 1 1 • 1	
b. After Stabilization (as weight % of TS)		1.11.1	
c. Percent Reduction (see equation)		! . ! ! ! . !	
2. Detention Time (Days)		1 1 1 1 1 1	
, ,,			
3. Average Temperature (Degrees C)			
C. Air Drying (Report on any beds emptied for the re	eport period)		
BED DATE SLUDGE LOADED	DEPTH POURED	DATE SLUDGE REMOVED	
Month Day Year	Inches	Month Day Year	1
2.	<u> </u>		
3.	٠ــــــــــــــــــــــــــــــــــــــ		1
4.	<u> </u>		
5.			<u>.</u>
) · [<u> </u>		
D. State Approved Lime Stabilization			
E. Thermal Treatment/Drying F. Phragmites			
G. Composting			
H. Other (specify here: I. None			
ULTIMATE SLUDGE MANAGEMENT MET	HOD CODE		
Land Application at a NJPDES Permitted Site State Approved Distribution Permit			
3. Incineration			
4. Ocean Disposal 5. Out of State			
6. Residual Not Classified as Sludge, Managed by Ha	izardous or Waste Flow Res	3 5.	
7. Other (specify here:)	
8. None Removed	- ···		
EQUATIONS			
A. Dry Tons = Gallons (wet) X Solid Content (of t	the gallons)		
240		•	
B. Dry Tons = <u>Cubic Yards (wet)</u> X <u>Solid Content</u> (Y)	(of the cubic yards)		
y = 1.185 where solid content is	less than 15%		
= 1.265 where solid content is	s 16% to 23%		
= 1.58 where solid content is = 1.9 where solid content is gr			
_			
C. Dry Tons = Tons (wet) X Solid Content (of the		100	
D. Volatile Solids Reduction = VS before VX before— (VS	before X VS after)	.w	
NOTE: The total and volatile solid contents in the abo	ove equations must be expre-	ssed as a decimal, for example:	

1% Total Solids = .01 20% Total Solids = .20

and the williand if amenued in writing he NMEP

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY
0002110116	0 8 1 9 9 2	5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum	01002 01012 61527 61512 61506 01045 61503 01260 01062		*
Nickel Selenium Zinc Selected Chemical Pa	61515 61518 61509	3 9 5 0 0 3 5	*
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium	00625 71845 71850 00550 46000 00665 00916	3 8 2 5 3 3 6 2 9 3 3 3 3 3 7 5 5 5 2 3 3 1 0 1 1 3 4 6 5 0 0 1	
Magnesium Potassium Cyanide Fluoride Chloride	00927 00937 00720 00951 00940	2 0 1 6 8 2 7 1 3 3 1 4 2 1 5 0 1 0	

CERTIFICATE OF AUTHENTICITY

Arthur A,Martinelli	Chief Chemist	Little Ch	Morlinett
Name of Authorized Agent (Print)	Title	Signature	7

- Oct 21,1992 Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.

REPORTING PERIOD Mo.

REPORTING **CATEGORY**

0 0 2 1 0 1 6

9 9 9

5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's	39330 39350 39380 39370 39410 39782 39516		* * * *
Toxaphene <u>Purgeables</u>	39400	0.01	*
Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175		*
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		*

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) Chief Chemist, PVSC

Title

Signature

Oct 21, 1992 Date

Laboratory Name: Garden State Laboratories, Inc.

Cert No. 20044

.

946420114

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

rage I of	Page	1	of	1
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MO. YR.

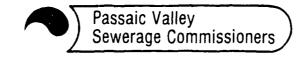
MO. YR.

946420115

	0, 1	0 2	1	0_	1	6
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1,0|9,2| THRU |1,0|9,2|

		•				
PERMITTEE:	Name	Passaic Valley Sewera	ge Commissioner	s		
600 Wilson Avenue						
	Add 633	Newark, New Jersey O	7105			
	_		_			
FACILITY:	Name	Passaic Valley Sewera	ge Commissioners	3		
	Address	600 Wilson Avenue				
	_	Newark, N.J. 07105	(County) Esse	ex		
	Telephone	<u>(201) 344–1800</u>				
				orting period		
EODMS ATTACH	ED (Indica)	re <u>Quantity</u> of Each)	1 -	orting period 9 EXCEPTIONS	1172	
SLUDGE REPORTS		e <u>Quantity</u> of Ductif	<u> </u>		YES	NO
1 T-VWX-007		/wx-008 T-vwx-009	DYE TESTING			
*	**		TEMPORARY B	YPASSING		
SLUDGE REPORTS			DISINFECTION	INTERRUPTION		
T-VWX-010	T-VWX-010A T-VWX-010B MONITORING MALFUNCTIONS					
WASTEWATER REPORTS		UNITS OUT OF	OPERATION			
T-VWX-011	T-V	/WX-012 T-VWX-013	OTHER			
GROUNDWATER R		1X-016 VWX-017	(Detail any "Y in appropriate	es" on reverse side space.)		
NPDES DISCHARGE		NG REPORT	NOTE: The "I	Hours Attended at Pk	ant" on t	he
EPA FORM	3320-1			sheet must also be co		
AUTHENTICATIO	inforn of tho submi	fy under penalty of law that nation submitted in this document in the document of the second in the	ument and all attach esponsible for obtai urate and complete.	nments and that, b ning the informati . I am aware that t	pased on ion, I be there ar	my inquiry elieve the e significant
LICENSED OPER	ATOR		PRINCIPAL EXECUT		E	
Name (<i>Printed</i>)	Phil Ha	brukowich	Name (Printed) Car	rmine T. Perrap	ato	
Grade & Registry N	NJ NJ	६- ∆ #3972	Title (Printed) Exe	ecutive Directo	r	
Signature	<u> </u>		Signature	nun J. De	mp.	76 Ja
Date	192		Date	35/90		,



RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS

600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

DOMESTIC WASTEWATER SLUDGE REPORT

DISCHARGE PERMIT NO.	Mo. Yr.	CATEGOR	
0 0 2 1 0 1 6	1 0 1 9 9 2	5	Page 1 of 2
FACILITY NAME: Passaic Valley Sewerage Commission			
A. REPORTING CATEGORY INFORMATION	N		
1. Permitted Wastewater Flow	(MGD)	A1:	3 3 0 0
2. Industrial Conribution	(% of influent)	A2:	118
3. Average Daily Septage Treated	(Gallons/Day)	A3:	2 3 8 7
B. INFORMATION ON SLUDGE PRODUCED	IN TREATMENT PROC	CESS	
1. Average Total Solids of Sludge	(% by weight)	B1:	5 5 7
2. Average Daily Sludge Production	(Gallons/Day)	B2:	3 0 6 9 3
3. Average Daily Sludge Production	(Dry Tons/Day	B3:	7 1 2 3
**C. INFORMATION ON SLUDGE REMOVED	D FOR ULTIMATE MA	NAGEMEN	T
1. Complete ONLY If Liquid Sludge Is Removed	/		1 1 1
a. Total Solids of Liquid Sludge	(% by weight)	C1:	
b. Average Daily Sludge Removal	(Gallons/Day	C2:	
2. Complete ONLY If Dewatered Sludge Is Removed			1 -11
a. Total Solids of Dewatered Sludge	(% by weight)	C3:	5 5 7
b. Complete ONE of the following:			
i. Average Daily Sludge Removal	(Gallons/Day)	C4:	
Total Solids of 2.b.i.	(% by weight)	C5:	
ii. Average Daily Sludge Removal	(Wet Cu. Yds/Day)	C6:	
iii. Average Daily Sludge Removal	(Wet Tons/Day)	C7:	1 2 7 9
3. Total Average Daily Sludge Removal	(Dry Tons/Day)	C8:	7 1 2 3
4. pH of Sludge Removed	(Standard Units)	C9:	7, 1
D. ULTIMATE SLUDGE MANAGEMENT SITE	(See Codes on Reverse)	····	
METHOD HAULER	•		DEDINITAG
CODE REGISTRY	FACILITY/OPERATION		PERMIT NO.
5 17244 OUT C	DF STATE		
E. PATHOGEN REDUCTION INFORMATION	(See Codes and Complete Rev	verse)	
METHOD FACILITY/OPERATION	PERMIT N	10.	FOR DEP USE ONLY PSRP PFRP
E PASSALIC VALLE	[Y] [0 0 2 1 e	0 1 6	
LI (IASISIATIOI VIALEILE	1 1 1 1 1 1 1	1 1 1	
CERTIFICATE OF AUTHENTICITY		.1),
Arthur A Martinelli Chief Chemist	(the Ca A	Tale A	Nov 23 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Title

Name of Authorized Agent (Print)

Cert No. <u>07250</u>

Signature

Date

PATHOGEN REDUCTION METHOD CODE	(Appropriate sections must be completed)
A. Anaerobic Digestion; or B. Aerobic Digestion; complete the following:	
1. Percent Volatile Solids:	UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the rep	port period)
BED DATE SLUDGE LOADED Month Day Year	DEPTH POURED DATE SLUDGE REMOVED Inches Month Day Year
1.	
2.	
3.	
4.	
5.	
D. State Approved Lime Stabilization E. Thermal Treatment/Drying	
F. Phragmites	
G. Composting H. Other (specify here:)
I. None	
THE TRACE OF THE CENTER OF THE PARTY.	JOD CODE
ULTIMATE SLUDGE MANAGEMENT METH 1. Land Application at a NIPDES Permitted Site	OD CODE
2. State Approved Distribution Permit	
3. Incineration	
4. Ocean Disposal 5. Out of State	
6. Residual Not Classified as Sludge, Managed by Haza	zardous or Waste Flow Regs.
7. Other (specify here:8. None Removed	
o. Hono Remova	
EOUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of the 240	ne gallons)
B. Dry Tons = Cubic Yards (wet) X Solid Content (o	of the cubic yards)
(Y) $y = 1.185 where solid content is 1$	less than 15%
= 1.265 where solid content is 1	
= 1.58 where solid content is 24	
= 1.9 where solid content is great	
C. Dry Tons = Tons (wet) X Solid Content (of the w	
D. Volatile Solids Reduction = $\frac{VS \text{ before } X}{VX \text{ before}}$	
NOTE: The second of the second	
N() E: The total and volatile solid contents in the above	e equations must be expressed as a decimal, for example:

20% Total Solids = .20

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING PE	REPORTING		
	Mo.	Yr.	CATEGORY	
0 0 2 1 0 1 6	0 9 1 9	9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002		1
Beryllium	01012	1 0 8	*
Cadmium	61527	2 0 9	
Chromium	61512	7 7 1 4 5	
Copper	61506	9 9 8 1 5	
Iron	01045	1 0 1 0 4	
Lead	61503	1 2 5 0	
Mercury	01260	1 8 3	
Molybdenum	01062	3 8 6	
Nickel	61515	8 0 6	
Selenium	61518	1 0 8	*
Zinc	61509	1 8 6 5 5	
Selected Chemical F	arameters		
Total Nitrogen	00625	_	1 1
Ammonia Nitrogen	71845	3 9 0	<u> </u>
Nitrate Nitrogen	71850		[*
Oil and Grease	00550	1 3 0 9 0 9	
Phenols	46000		<u> </u>
Phosphorus	00665	1 0 0 7 0	
Calcium	00916	1 0 9 3 0	
Magnesium	00927	2 6 1 6	
Potassium	00937	6 0 2 5	
Cyanide	00720	3 8 6	
Fluoride	00951	1 0 4	
Chloride	00940	5 3 4	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli

Chief Chemist

Nov. 23, 1992

Name of Authorized Agent (Print)

Title

Chief Chemist

Signature

Nov. 23, 1992

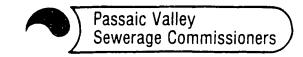
Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. 07407

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JA.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

DOMESTIC WASTEWATER SLUDGE REPORT REPORTING PERIOD REPORT

	DISCHARGE PERM		Io. Yr.	CATEGO		
	0 0 2 1 0	1 6 1	0 1 9 9 2	5	1	Page 2 of 2
FACILITY NAME:	Passaic Valley Sewer					
A. REPORTIN	IG CATEGORY INF	ORMATION			1	
1. Permitted V	Wastewater Flow	(M	1GD)	A1:	L_	3 3 0 0
2. Industrial C	Conribution	(%	of influent)	A2:		1 8
3. Average Da	aily Septage Treated	(G	allons/Day)	A3:		2 3 8 7
B. INFORMAT	ION ON SLUDGE P	RODUCED IN T	TREATMENT PRO	CESS		1 .1 . 1
1. Average To	otal Solids of Sludge	(%	by weight)	B1:		4 3 8
2. Average Da	ily Sludge Production	(G	allons/Day)	B2:	1 4	4 5 4 7
3. Average Da	nily Sludge Production	(D	ry Tons/Day	В3:	2	6 3 9 6
**C. INFORMA	ATION ON SLUDGE	REMOVED FO	R ULTIMATE MA	NAGEMEN	T	
 Complete O 	NLY If Liquid Sludge Is					1 1
a. Total So	lids of Liquid Sludge		% by weight)	C1:		
b. Average	Daily Sludge Removal	(0	Gallons/Day	C2:		
2. Complete C	NLY If Dewatered Sludg	e Is Removed				, ,
a. Total So	lids of Dewatered Sludge	(%	by weight)	C3:		4 3 8
b. Complet	e ONE of the following:				1 1 1	, , , ,
i. Ave	rage Daily Sludge Remov	/al (G	allons/Day)	C4:		
Tota	ul Solids of 2.b.i.	(%	by weight)	C5:		
ii. Ave	rage Daily Sludge Remov	val (W	et Cu. Yds/Day)	C6:		
iii. Ave	rage Daily Sludge Remov	val (W	et Tons/Day)	C7:		6 0 2 3
3. Total Avera	ge Daily Sludge Remova	(Di	ry Tons/Day)	C8:	2	6 3 9 6
4. pH of Sludg	ge Removed	(St	andard Units)	C9:		1 0 0
D. ULTIMATE S	SLUDGE MANAGE	MENT SITE (See	Codes on Reverse)			
METHOD CODE	HAULER REGISTRY	FA	CILITY/OPERATION		DI	ERMIT NO.
5	17244	OUT OF	STATE			
			11111			
E. PATHOGEN	REDUCTION INFO	RMATION (See	Codes and Complete Re	verse)		
METHOD CODE	FACILITY/OP		PERMIT I		F	OR DEP USE ONLY
						PSRP PFRP
D	PASSAIIC	VALLEY	0021	0]1[6]		
					ļ	
CERTIFICATE	OF AUTHENTICITY		8	,	11	

Laboratory Name: Passaic Valley Sewerage Commissioners

Arthur A.Martinelli

Name of Authorized Agent (Print)

Chief Chemist

Title

Cert No. <u>07250</u>

Signature

Date

Nov. 23, 1992

PATHOGEN REDUCTION METHOD CODE (A	Appropriate sections must be completed)
A. Anaerobic Digestion; or B. Aerobic Digestion; complete the following:	
Aerosic Digestion, complete the following. Percent Volatile Solids:	UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the report	period)
BED DATE SLUDGE LOADED Month Day Year	DEPTH POURED DATE SLUDGE REMOVED Inches Month Day Year
Month Day Year 1.	Inches Month Day Year
2.	
3.	
4.	
5.	
D. State Approved Lime Stabilization	hardened today today
E. Thermal Treatment/Drying	
F. Phragmites	
G. Composting H. Other (specify here:)
I. None	
ULTIMATE SLUDGE MANAGEMENT METHOL	CODE
1. Land Application at a NJPDES Permitted Site	, 5555
2. State Approved Distribution Permit	
3. Incineration 4. Ocean Disposal	
5. Out of State	
6. Residual Not Classified as Sludge, Managed by Hazard	· ·
7. Other (specify here:	
EOUATIONS	
	allons)
A. Dry Tons = Gallons (wet) X Solid Content (of the g 240	
B. Dry Tons = Cubic Yards (wet) X Solid Content (of the	ge cubic yards)
(Y) $y = 1.185 where solid content is less$	than 15%
= 1.265 where solid content is 169	
= 1.58 where solid content is 24%	
= 1.9 where solid content is greater	
C. Dry Tons = Tons (wet) X Solid Content (of the wet	
D. Volatile Solids Reduction = VS before X V VX before— (VS before)	
NOTE: The total and volatile solid contents in the above ea	quations must be expressed as a decimal, for example:
	s = .01

20% Total Solids = .20

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.		REPORTING PERIOD Mo. Yr.		REPORTING CATEGORY	
002101	6	0 9	1 9 9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS S Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical Pa	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509	1 2 9 1 0 9 5 1 3 0 4 8 5 1 3 8 2 3 5 1 3 3 5 0 1 4 9 6 1 0 6 8 1 4 3 7 1 4 8 0 5 1 0 9 5	*
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	3 2 6 3 4	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli

Name of Authorized Agent (Print)

Chief Chemist

Title

Signature

-Nov. 23, 1992

ale

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. 07407

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

Mo.

MO. YR.

Page	1	of	1
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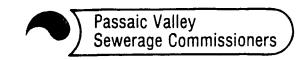
11192 THRU 1192

		•				
PERMITTEE:	Name	Passaic Valley Sewera	ge Commission	ners		
	Address _	600 Wilson Avenue				
	~do/ess _	Newark, New Jersey 07	105			
FACILITY:	Name	Passaic Valley Sewerag	ge Commission	ners		
	Address	600 Wilson Avenue				
	_	Newark, N.J. 07105	(County)	Essex		
	Telephone	(201) 344–1800				·
				eporting period 1		
FORMS ATTACH	FD (Indica)	te <u>Quantity</u> of Each)		eporting period 10	1/92	
SLUDGE REPORTS			<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	YES	но
1 T-VWX-007	т-\	vwx-008 1 T-vwx-009	DYE TEST	ring		
* SLUDGE REPORTS	. INDUSTRIA	**	TEMPORA	RY BYPASSING		
T-VWX-010		/WX-010B	DISINFEC	TION INTERRUPTION		
	ليسسا	, W. G. G. G.	MONITOR	ING MALFUNCTIONS		
WASTEWATER REP			UNITS OU	T OF OPERATION		
T-VWX-011		/WX-012T-VWX-013	OTHER		LJ.	U
GROUNDWATER RI		/x-016	·	y "Yes" on reverse side priate space.)		
NPDES DISCHARGE		NG REPORT	I -	The "Hours Attended at Pl this sheet must also be co		
AUTHENTICATIO	inform of the submi	ify under penalty of law that nation submitted in this document in the documen	ument and all a esponsible for c urate and comp	ttachments and that, I obtaining the informat lete. I am aware that	based on ion, I be there ar	n my inquiry elieve the e significant
LICENSED OPER	ATOR			ECUTIVE OFFICER or IZED REPRESENTATIV	'E	
Name (<i>Printed</i>)	Phil Hal	brukowich	Name (Printed)	Carmine T. Perra	apato	
Grade & Registry N	N.	J S-4 #3972	Title (Printed)	Executive Direc	tor	
Signature	W 24.l		Signature			3
Date	2492	·		14/9-		

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
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ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

DOMESTIC WAS I DISCHARGE PERMIT NO.	REPORTING PERIOD	REPORTIN	IG
	Mo. Yr.	CATEGOR	
FACILITY NAME: Passaic Valley Sewerage Commiss	1 1 1 9 9 2	5	1 Page 2 of 2
A. REPORTING CATEGORY INFORMATIO			
1. Permitted Wastewater Flow	(MGD)	A1:	3 3 0 0
2. Industrial Conribution	(% of influent)	A2:	1 8
3. Average Daily Septage Treated	(Gallons/Day)	A3:	2 0 3 3
B. INFORMATION ON SLUDGE PRODUCED	IN TREATMENT PRO	CESS	
1. Average Total Solids of Sludge	(% by weight)	B1:	4 6 2
2. Average Daily Sludge Production	(Gallons/Day)	B2:	9 3 7 8 9
3. Average Daily Sludge Production	(Dry Tons/Day	B3:	1 8 0 4 5
**C. INFORMATION ON SLUDGE REMOVE	D FOR ULTIMATE MA	NAGEMEN	Γ
1. Complete ONLY If Liquid Sludge Is Removed	(% by weight)	C1:	1 1 1
a. Total Solids of Liquid Sludge	(Gallons/Day	C2:	
b. Average Daily Sludge Removal2. Complete ONLY If Dewatered Sludge Is Removed	(32.13.25.2 uj	U_	<u> </u>
a. Total Solids of Dewatered Sludge	(% by weight)	C3:	4 6 2
b. Complete ONE of the following:			
i. Average Daily Sludge Removal	(Gallons/Day)	C4:	
Total Solids of 2.b.i.	(% by weight)	C5:	
ii. Average Daily Sludge Removal	(Wet Cu. Yds/Day)	C6:	
iii. Average Daily Sludge Removal	(Wet Tons/Day)	C7:	3 9 0 8
3. Total Average Daily Sludge Removal	(Dry Tons/Day)	C8:	1 8 0 4 5
4. pH of Sludge Removed	(Standard Units)	C9:	1 1 3
D. ULTIMATE SLUDGE MANAGEMENT SITE	(See Codes on Reverse)		
METHOD HAULER CODE REGISTRY	FACILITY/OPERATION		PERMIT NO.
		1 1 1 1	1 1 1 1 1 1 1 1
5 17244 OUT C	DIFI STATE		
E. PATHOGEN REDUCTION INFORMATION	(See Codes and Complete Rev	verse)	
METHOD FACILITY/OPERATION	PERMIT N	10.	FOR DEP USE ONLY PSRP PFRP
D PASSALIC VALLE	[Y] 0 0 2 1	0 1 6	
		1 1 1	
CERTIFICATE OF AUTHENTICITY	A		9.0.1
Arthur A.Martinelli Chief Chemist	atach 1	Parlent	_DEC. 21, 1992

Laboratory Name: Passaic Valley Sewerage Commissioners

Title

Name of Authorized Agent (Print)

Cert No. 07250

Signature

946420126

Date

PATHOGEN REDUCTION METHOD CODE	(Appropriate sections must be completed)
A. Anaerobic Digestion; or	
B. Aerobic Digestion; complete the following: 1. Percent Volatile Solids:	UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	
·	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the rep	port period)
BED DATE SLUDGE LOADED Month Day Year	DEPTH POURED DATE SLUDGE REMOVED Inches Month Day Year
1.	
2.	
3.	
4.	
5.	
D. State Approved Lime Stabilization E. Thermal Treatment/Drying	
F. Phragmites	
G. Composting H. Other (specify here:	1
I. None	
ULTIMATE SLUDGE MANAGEMENT METHO 1. Land Application at a NJPDES Permitted Site	OD CODE
2. State Approved Distribution Permit	
3. Incineration	
4. Ocean Disposal 5. Out of State	
6. Residual Not Classified as Sludge, Managed by Haza	ardous or Waste Flow Regs.
7. Other (specify here:)
8. None Removed	
EOUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of the 240	e gallons)
B. Dry Tons = Cubic Yards (wet) X Solid Content (or (Y))	of the cubic yards)
y = 1.185 where solid content is le	less than 15%
= 1.265 where solid content is 1	
= 1.58 where solid content is 24 = 1.9 where solid content is great	
C. Dry Tons = Tons (wet) X Solid Content (of the w	
D. Volatile Solids Reduction = VS before X	
VX before— (VS b	
NOTE: The total and volatile solid contents in the above	e equations must be expressed as a decimal, for example:
1% Total So	slids = 01

1% Total Solids = .0120% Total Solids = .20

New Jersey Department of Environmental Protection Division of Water Resources

Page 2 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.	REPORTING Mo.	S PERIOD Yr.	REPORTING CATEGORY	
0 0 2 1 0 1 6	1 0 1	9 9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor	39330 39350 39380 39370 39410	S A M P L E S	
Lindane PCB's Toxaphene	39782 39516 39400		
Purgeables Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175		
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		

CERTIFICATE	OF AUTHENTICIT	Y

Arthur A.Martinelli Chief Chemist. PVSC Signature

Chief Chemist. PVSC Signature

Cert No. 20044

_Dec. 23.1992

Laboratory Name: Garden State Laboratories, Inc.

NO. <u>20044</u>

Memorandum

To:

Frank P. D'Ascensio

From:

Arthur A. Martinelli

Date:

December 18, 1992

Subject:

Failure to Analyze October Filter Press and

Centrifuged Sludge Samples for SQAR

Organic Analyses

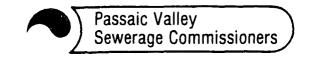
The PVSC Laboratory sends out composites of the first seven (7) samples of the Filter Press and Centrifuged Sludges received each month to an outside laboratory for organics analysis for Sludge Quality Assurance (SQAR). During the month of October 1992 the samples were not composited nor sent out for analyses. We have been doing this (SQAR reporting) for approximately 15 years and have never missed a sample.

A checklist had been prepared to assure that all required samples, not analyzed by the PVSC Laboratory, be sent out for the appropriate analysis to a contract laboratory. This was left in the hands of a laboratory technician to ensure that the samples were sent out. Unfortunately this technician was injured on the job during the month of October and the checklist was not monitored. We have taken immediate action to prevent this from occurring in the future by preparing duplicate checklists, one to be utilized by the technician preparing the samples and the other to be maintained by supervisory personnel.

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> GABRIEL M. AMBROSIO CHIEF COUNSEL

> > LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

New Jersey Department of Environmental Protection Division of Water Resources

DOMESTIC WAST	TEWATER SLUDGE	REPORT

DISCHARGI	E PERMIT NO.	Mo. Yr.	CATEGO	
0 0 2	1 0 1 6	1 1 1 9 9	2 5	Page 1 of 2
FACILITY NAME: Passaic Valle	ey Sewerage Commi	ssioners		
A. REPORTING CATEGO	RY INFORMATI	ON		1 - 1 - 1
Permitted Wastewater Flow	W	(MGD)	A1:	3 3 0 0
2. Industrial Conribution		(% of influent)	A2:	1 8
3. Average Daily Septage Trea	ated	(Gallons/Day)	A3:	2 0 3 3
B. INFORMATION ON SLU	DGE PRODUCE	D IN TREATMENT PR	OCESS	
1. Average Total Solids of Slu	dge	(% by weight)	B1:	5 4 6
2. Average Daily Sludge Produ	iction	(Gallons/Day)	B2:	3 5 8 4 8
3. Average Daily Sludge Production	uction	(Dry Tons/Day	В3:	8 1 6 1
**C. INFORMATION ON SI	LUDGE REMOV	ED FOR ULTIMATE M	IANAGEME	VT
1. Complete ONLY If Liquid S	ludge Is Removed	(6)		1 1 1
a. Total Solids of Liquid SI	udge	(% by weight)	C1:	
b. Average Daily Sludge Re	emoval	(Gallons/Day	C2:	
2. Complete ONLY If Dewater	red Sludge Is Remove			l – l . –l
a. Total Solids of Dewatere	d Sludge	(% by weight)	C3:	5 4 6
b. Complete ONE of the fol	llowing:			
i. Average Daily Sludg	ge Removal	(Gallons/Day)	C4:	
Total Solids of 2.b.i.		(% by weight)	C5:	
ii. Average Daily Sludg	ge Removal	(Wet Cu. Yds/Day)	C6:	
iii. Average Daily Sludg	ge Removal	(Wet Tons/Day)	C7:	1 4 9 4
3. Total Average Daily Sludge	Removal	(Dry Tons/Day)	C8:	8 1 6 1
4. pH of Sludge Removed		(Standard Units)	C9:	5, 8
D. ULTIMATE SLUDGE MA	NAGEMENT SI	TE (See Codes on Reverse)		
METHOD HAULER CODE REGISTRY		FACILITY/OPERATION		PERMIT NO.
	1 1 1 1		1 1 1 1 1	remained.
5 17244	OUT	OFSTATE		
E. PATHOGEN REDUCTION	INFORMATIO	N (See Codes and Complete	Reverse)	
METHOD	CILITY/OPERATION		IT NO.	FOR DEP USE ONLY
	باما ابراماناه		4 0 4 0	PSRP PFRP
E PASSA	IC VALL	E Y 0 0 2	1 0 1 6	
CERTIFICATE OF AUTHEN	TICITY	\circ	- 44	·
Arthur A.Martinelli	Chief Chemis	a Cathaca	The trans	
Name of Authorized Agent (Print)	Title	Signature	- Jane	Date

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. 07250

PATHOGEN REDUCTION METHOD CODE	(Appropriate sections must be completed)
A. Anaerobic Digestion; or	, , ,
B. Aerobic Digestion; complete the following: 1. Percent Volatile Solids:	UNIT 1 UNIT 2 UNIT 3
a. Before Stabilization (as weight % of TS)	
b. After Stabilization (as weight % of TS)	
c. Percent Reduction (see equation)	
2. Detention Time (Days)	
3. Average Temperature (Degrees C)	
C. Air Drying (Report on any beds emptied for the rep	sport period)
BED DATE SLUDGE LOADED	DEPTH POURED DATE SLUDGE REMOVED
Month Day Year I.	Inches Month Day Year
2.	
3.	
4.	
5.	
D. State Approved Lime Stabilization	
E. Thermal Treatment/Drying F. Phragmites	
G. Composting	
H. Other (specify here:I. None	
ULTIMATE SLUDGE MANAGEMENT METH	HOD CODE
Land Application at a NJPDES Permitted Site State Approved Distribution Permit	
3. Incineration	
4. Ocean Disposal 5. Out of State	
6. Residual Not Classified as Sludge, Managed by Haz	izardous or Waste Flow Regs.
7. Other (specify here:)
8. None Removed	
EOUATIONS	
A. Dry Tons = Gallons (wet) X Solid Content (of th	he gallons)
240	
B. Dry Tons = Cubic Yards (wet) X Solid Content (c) (Y)	(of the cubic yards)
y = 1.185 where solid content is l	
= 1.265 where solid content is = 1.58 where solid content is 2.	
= 1.9 where solid content is gre	
C. Dry Tons = Tons (wet) X Solid Content (of the w	wet tons)
D. Volatile Solids Reduction = VS before X	X VS after X 100
	before X VS after)
NOTE: The total and volatile solid contents in the abov	ove equations must be expressed as a decimal, for example:
1% Total Sc	

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO. REPORTING PERIOD REPORTING CATEGORY

| 0 | 0 | 2 | 1 | 0 | 1 | 6 | | 1 | 0 | | 1 | 9 | 9 | 2 | | 5 | 2 |

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's Toxaphene	39330 39350 39380 39370 39410 39782 39516 39400	S A M P L E S 1 N A D V E R - T E N T L Y	
Purgeables Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride Base/Neutrals and Acids	34030 32102 32106 34423 34475 39180 39175		
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		

CERTIFICATE OF AUTHENTIC		(
--------------------------	--	---

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist, PVSC

Title

Signature

Dec. 23, 1992

)ate

Cert No. 20044

Memorandum

To:

Frank P. D'Ascensio

From:

Arthur A. Martinelli

Date:

December 18, 1992

Subject:

Failure to Analyze October Filter Press and

Centrifuged Sludge Samples for SQAR

Organic Analyses

The PVSC Laboratory sends out composites of the first seven (7) samples of the Filter Press and Centrifuged Sludges received each month to an outside laboratory for organics analysis for Sludge Quality Assurance (SQAR). During the month of October 1992 the samples were not composited nor sent out for analyses. We have been doing this (SQAR reporting) for approximately 15 years and have never missed a sample.

A checklist had been prepared to assure that all required samples, not analyzed by the PVSC Laboratory, be sent out for the appropriate analysis to a contract laboratory. This was left in the hands of a laboratory technician to ensure that the samples were sent out. Unfortunately this technician was injured on the job during the month of October and the checklist was not monitored. We have taken immediate action to prevent this from occurring in the future by preparing duplicate checklists, one to be utilized by the technician preparing the samples and the other to be maintained by supervisory personnel.

MONITORING REPORT - TRANSMITTAL SHEET

NUPDES NO.

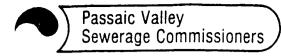
REPORTING PERIOD

Page 1 of 1

0,0,2,1,0,1,6

1,29,2 THRU 1,29,2

DEDMITTEE.	Nama	Passaic	Valley_Sewer	age Com	missione	ers			
PERMITTEE:	Name _	600 Wil:	00 Wilson Avenue						
عبر عبر	Address	Newark,	New Jersey (07105					
FACILITY:	Name	Passaic	Valley Sewera	age Com	missione	ers			
	Address .	600 Wil:	son Avenue						
		Newark,	N.J. 07105		County)	Essex			_
	Telephon	e <u>(201</u>) 344–1800	<u>-</u>	_ * For r	eporting per	iod 12/9	9 2	
FORMS ATTACH	ED_(India	ate <u>Quantir</u>	of Each)	*	** For i ** For i OPERAT	reporting per reporting per ING EXCEPTION	riods 10, riods 11, NS	/92 & /92 &	11/92 12/92
SLUDGE REPORTS	- SANITAR	Y						YES	NO
1 T-VWX-007		800-XWV-	2 T-VWX-009		DYE TEST	ring			
* SLUDGE REPORTS	** - INDUSTR	IAL	***	İ	TEMPORA	ARY BYPASSING			
T-VWX-010	A T	-VWX-010B				TION INTERRUPT			
WASTEWATER REP	ORTS					ING MALFUNCTIO			
T-VWX-011	Т	-VWX-012	T-VWX-013	Ì	OTHER	T OF OPERATION			
GROUNDWATER RE		WX-016				y "Yes" on revers priate space.)	se side		
NPDES DISCHARGE		ING REPORT	ī			he "Hours Attend this sheet must di			e
AUTHENTICATIO	infor of th	mation sul ose individual oitted infor	penalty of law the bmitted in this delugated in the delug	ocument y respon: iccurate	and all a sible for cand comp	ttachments and obtaining the in liter. I am awar	I that, base formation re that the	ed on i i, I bel ere are	my inquiry ieve the significant
LICENSED OPERA	ATOR					CUTIVE OFFICI			
Name (<i>Printed</i>)	Phil Ha	brukowic	<u>h</u>	Name	(Printed) _	Carmine T	. Perrap	ato	
Grade & Registry N	o. NJ	S-4 #397	2	Title (Printed) _	Executive	Directo	r	
Signature	/ <u>}{</u> }			Signat	ure _	[much	1/20	ng	to A
Date	1/25/7	3	46420135	ite .		125/93	2		



RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

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Fax: (201) 344-2951

CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

This domestic wastewater sludge report represents dewatered cake which has been centrifuged and lime stabilized.

New Jersey Department of Environmental Protection Division of Water Resources

5/89		Divis	ion of Water Resources			
				GE REPORT	1110	
	DISCHARGE PERM	IIT NO.	REPORTING PERIO	D REPORT CATEGO		
	0002110	1 6	1 2 1 9 9	1 1 1	1 1	Page 2 of 2
FACILITY NAME:	Passaic Valley Sewe	rage Commissi	oners			
A. REPORTI	NG CATEGORY IN	FORMATIO	N		1 -	1 - 1 1
1. Permitted	Wastewater Flow		(MGD)	A1:	3	3 0 0
2. Industrial	Conribution		(% of influent)	A2:		1 8
3. Average D	aily Septage Treated		(Gallons/Day)	A3:	2	2 5 8
B. INFORMAT	TION ON SLUDGE I	PRODUCED	IN TREATMENT I	PROCESS		
1. Average T	otal Solids of Sludge		(% by weight)	B1:		4 3 4
2. Average Da	aily Sludge Production		(Gallons/Day)	B2:	8 4	7 9 7
3. Average D	Paily Sludge Production		(Dry Tons/Day	В3:	1 5	3 3 6
**C. INFORM	ATION ON SLUDGI	E REMOVEI	FOR ULTIMATE	MANAGEMEN	NT	
1. Complete C	ONLY If Liquid Sludge Is	Removed				1 1 1
a. Total So	olids of Liquid Sludge		(% by weight)	C1:		
b. Average	e Daily Sludge Removal		(Gallons/Day	C2:		
2. Complete	ONLY If Dewatered Slud	ge Is Removed				
a. Total So	olids of Dewatered Sludge	2	(% by weight)	C3:		4 3 4
b. Comple	ete ONE of the following:				1 1 1	1 1 1 1
i. Av	erage Daily Sludge Remo	val	(Gallons/Day)	C4:		
Tot	tal Solids of 2.b.i.		(% by weight)	C5:	1 1 1	
ii. Av	erage Daily Sludge Remo	val	(Wet Cu. Yds/Day)	C6:		
iii. Av	erage Daily Sludge Remo	val	(Wet Tons/Day)	C7:	3	5 3 3
3. Total Aver	age Daily Sludge Remova	al	(Dry Tons/Day)	C8 :	1 5	3 3 6
4. pH of Slud	ge Removed		(Standard Units)	C9:		1 1 3
D. ULTIMATE	SLUDGE MANAGE	MENT SITE	(See Codes on Reverse			
METHOD CODE	HAULER REGISTRY		FACILITY/OPERATION		PER	MIT NO.
5	17244	OUTIC	OF STATE			
	REDUCTION INFO	RMATION	(See Codes and Comple	te Reverse)	FOR	DED LICE ON V
METHOD CODE	FACILITY/OF	PERATION	PE	RMIT NO.	į	DEP USE ONLY PSRP PFRP
D	PASSAIC	VALLE		2 1 0 1 6		
1 1	1 1 1 1 1 1 1	1 1 2 1 1			1 1	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli
Name of Authorized Agent (Print)

Chief Chemist

Signature Signature

_JAN 7, 1993

Date

PATHOGEN REDUCTION	ON METHOD CODE	(Appropriate sect	ons must be	completed)	
A. Anaerobic Digestion; or					
B. Aerobic Digestion; com	•	UNIT 1	UNIT 2	UNIT 3	
1. Percent Volatile Solid	is: n (as weight % of TS)	1 1 1	11.1		
İ		<u> </u>	المنتسا		
b. After Stabilization	•				
c. Percent Reduction	(see edustion)		<u> </u>		•
2. Desention Time	(Days)				
3. Average Temperature	(Degrees C)				••• •
C. Air Drying (Report on an	y beds emptied for the repo	ort period)			
i	UDGE LOADED	DEPTH POURE: Inches	D DA' Mont	TE SLUDGE REM	IOVED Year
1.					
2.		-1 1 1	1 1		1 1 1
3.		1 1 1	1 1		
4.		1 1 1	l 1		! ! !
5.					
D. State Approved Lime State. Thermal Treatment/Dryin F. Phragmites G. Composting H. Other (specify here:	g				
ULTIMATE SLUDGE M. 1. Land Application at a NJF 2. State Approved Distributi 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified as 7. Other (specify here: 8. None Removed	PDES Permitted Site on Permit		Regs.		
EOUATIONS.					
A. Dry Tons = Gallons (wet	X Solid Content (of the 240	gallons)			
B. Dry Tons = <u>Cubic Yards</u>	(wet) X Solid Content (of (Y)	the cubic yards)			
= 1.26 = 1.58	35 where solid content is le 55 where solid content is 16 3 where solid content is 24 where solid content is great	6% to 23% % to 29%			
C. Dry Tons = Tons (wet)	X Solid Content (of the we	et tons)			
D. Volatile Solids Reduction	= VS before X VX before— (VS be		X 100		
NOTE: The total and volatile	solid contents in the above	equations must be ex	opressed as a dec	imal, for example:	

1% Total Solids = .01

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD		REPORTING		
	Mo.	Yr.	CATEGORY		
00021016	1 1 1	1 9 9 2	5	2	

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical Pa	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509	1 4 6 0 6 2 1 8 7 2 3 5 4 3 3 1 0 3 7 6 3 7 6 4 9 9 4 9 9 4 9 9 4 9 9 6 9 5	*
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	2 5 5 1 5 3 9 0 2 1 6 2 7 7 0 6 9 2 5 6 0 0 1 8 8 2 5 0 2 8 1 6 1 5 1 4 1 7 0 5 3 3 6	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Chief Chemist
Name of Authorized Agent (Print) Title

Signature Signature

_ JAN 7, 1993

Date

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING	G PERIOD	REPORTING	
	Mo.	Yr.	CATEGORY	
1010121101161	1 1 0 1 1	9 9 2	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic	01002	1 9 5	
Beryllium	01012	0 6 2	*
Cadmium	61527	9 9 5	
Chromium	61512	3 5 8 6 0	
Copper	61506	4 1 2 3	
Iron	01045	3 4 0 0	
Lead	61503	6 4 3 5	
Mercury	01260	[
Molybdenum	01062	3 6 4	
Nickel	61515	4 3 7 0	
Selenium	61518	2 1 7	
Zinc	61509	7 0 9 5	
Selected Chemical F	Parameters Parameters		•
Total Nitrogen	00625	2 8 7 0 8	1 1
Ammonia Nitrogen	71845	5 2 5	
Nitrate Nitrogen	71850		*
Oil and Grease	00550	3 6 5 3 0	
Phenols	46000	1 5 6 6	<u> </u>
Phosphorus	00665	4 7 9 0	
Calcium	00916	1 6 0 2 5 0	
Magnesium	00927	2 5 6 8	
Potassium	00937		<u> </u>
Cyanide	00720	1 1 3 7 0	
Fluoride	00951	2 7 2	
Chloride	00940	5 2 6 0	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) **Chief Chemist** Title

Signature

JAN 7, 1993

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

New Jersey Department of Environmental Protection Division of Water Resources

Page 2 of 2

2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO. REPORTING PERIOD REPORTING **CATEGORY** Mo.

0 0 2 1 0 1 6 5 9 9

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin	39330	0.01	*
Chlordane	39350	0 0 1	*
Dieldrin	39380	0,01	*
DDT	39370	001	*
Heptachlor	39410		*
Lindane	39782	0 0 1	*
PCB's	39516	0 0 1	•
Toxaphene	39400	0 0 1	*
<u>Purgeables</u>			
Benzene	34030	2 9 8	*
Carbon tetrachloride	32102	299	*
Chloroform	32106	298	*
Methylene Chloride	34423	29.8	*
Tetrachloroethylene	34475	102.	
Trichloroethylene	39180	2 9.8	*
Vinyl chloride	39175	29.8	*
Base/Neutrals and Acids	i		
Benzidine	39120		*
Benzo(a)pyrene	34247	0.5	*
Bis(2-ethylhexyl) phthalate	39100	1 3 0	
Hexachlorobenzene	39700	0.5	<u> </u>
Hexachlorobutadiene	39702	0.5	*
N-nitrosodimethylamine	34438	0.5	*

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) Chief Chemist, PVSC

Title

Signature

Laboratory Name: Garden State Laboratories, Inc.

Cert No. 20044

946420141

T-VWX-009 5/89

New Jersey Department of Environmental Protection Division of Water Resources

Page 2 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO. REPORTING PERIOD Mo. Yr.

REPORTING CATEGORY

0 0 2 1 0 1 6 1 2 1 9 9 2

5 2

FACILITY NAME:

Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Centrifuged (Lime Stabilized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's	39330 39350 39380 39370 39410 39782 39516		* * * * * * * * * * * * * * * * * * * *
Toxaphene Purgeables	39400	0.01	*
Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride	34030 32102 32106 34423 34475 39180 39175		* * * * *
Base/Neutrals and Acids	à		
Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		* * * * * * * * * * * * * * * * * * * *

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli ²
Name of Authorized Agent (Print)

Chief Chemist, PVSC

Title

Signature

_Jan 20, 1993

Laboratory Name: Garden State Laboratories, Inc.

Cert No. 20044

946420142

Passaic Valley
Sewerage Commissioners

RONALD W. GIACONIA CHAIRMAN

JAMES KRONE VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHKO
FRANK ORECHIO
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COMMISSIONERS

600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

LOUIS LANZILLO

This domestic wastewater sludge report represents dewatered cake which originated from our Zimpro process.

1-V W X-007 5/89			artment of Environmental Protection on of Water Resources	1	
0.00	DOME		EWATER SLUDGE	REPORT	
	DISCHARGE PER		REPORTING PERIOD	REPORT	
			Mo. Yr.	CATEGO	ORY 1 Page 1 of 2
EACH ITY MANAGE	0 0 2 1 0	1 6	1 2 1 9 9 2	5] Page 1 01 1
FACILITY NAME					
j	ING CATEGORY IN	FORMATIO		41.	33000
1	l Wastewater Flow		(MGD)	A1:	
	l Conribution		(% of influent)	A2:	1 8
3. Average	Daily Septage Treated		(Gallons/Day)	A3:	2 2 5 8
B. INFORMA	TION ON SLUDGE	PRODUCED	IN TREATMENT PRO	CESS	- 4 -
1. Average	Total Solids of Sludge		(% by weight)	B1:	5 4 6
2. Average I	Daily Sludge Production		(Gallons/Day)	B2:	4 8 1 6 7
3. Average	Daily Sludge Production		(Dry Tons/Day	В3:	1 0 9 6 0
**C. INFORM	ATION ON SLUDO	E REMOVEI	FOR ULTIMATE MA	NAGEME	NT
1. Complete	ONLY If Liquid Sludge	s Removed			
a. Total S	Solids of Liquid Sludge		(% by weight)	C1:	
b. Avera	ge Daily Sludge Removal		(Gallons/Day	C2:	
2. Complete	ONLY If Dewatered Slu	dge Is Removed			_
	Solids of Dewatered Sludy	_	(% by weight)	C3:	5 4 6
1	lete ONE of the following				
1	verage Daily Sludge Rem		(Gallons/Day)	C4:	
1	otal Solids of 2.b.i.		(% by weight)	C5:	
	verage Daily Sludge Rem	oval	(Wet Cu. Yds/Day)	C6:	
	verage Daily Sludge Rem	•	(Wet Tons/Day)	C7:	2 0 0 7
	rage Daily Sludge Removerage Daily Sludge Remove		(Dry Tons/Day)	C8:	
ţ		vai	• •		1 0 9 6 0
L	dge Removed		(Standard Units)	C9:	5, 1
	SLUDGE MANAG	EMENT SITE	(See Codes on Reverse)		
METHOD CODE	HAULER REGISTRY		FACILITY/OPERATION	• 2	PERMIT NO.
احا	14171014141			1 1 1	
5	17244	OUITI C	OF STATE		
E. PATHOGEN	N REDUCTION INF	ORMATION	(See Codes and Complete Re	everse)	
METHOD		PERATION	PERMIT	·	FOR DEP USE ONLY
CODE					PSRP PFRP
F	PASSALIC	IVIAIIIIF		101116	

CERTIFICATE	OF AL	UTHENT	ICITY
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Arthur A.Martinelli
Name of Authorized Agent (Print) **Chief Chemist**

Title

Signature

_JAN 7, 1993

Date

5/89				Side
PATHOGEN REDUCTION METHOD CODE (A	ppropriate sect	ions must be	completed)	· · · · · · · · · · · · · · · · · · ·
A. Anaerobic Digestion; or B. Aerobic Digestion; complete the following: 1. Percent Volatile Solids: a. Before Stabilization (as weight % of TS) b. After Stabilization (as weight % of TS) c. Percent Reduction (see equation)	UNIT 1	UNIT 2	UNIT 3	
2. Detention Time (Days)				
3. Average Temperature (Degrees C)				
C. Air Drying (Report on any beds emptied for the report p	veriod)			
BED DATE SLUDGE LOADED Month Day Year 1.	DEPTH POURE Inches	D DA' Mont	TE SLUDGE REMOVED th Day Year	
H. Other (specify here:				
ULTIMATE SLUDGE MANAGEMENT METHOD 1. Land Application at a NJPDES Permitted Site 2. State Approved Distribution Permit 3. Incineration 4. Ocean Disposal 5. Out of State 6. Residual Not Classified as Sludge, Managed by Hazardon 7. Other (specify here: 8. None Removed		Regs.		
EQUATIONS				
A. Dry Tons = Gallons (wet) X Solid Content (of the gal 240	lons)			
B. Dry Tons = Cubic Yards (wet) X Solid Content (of the (Y)) y = 1.185 where solid content is less the solid content is 16% on 1.58 where solid content is 24% to 1.58 where solid content is 24% to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is greater to 1.9 where solid content is 1.9 where solid content i	han 15% to 23% o 29% than 30%	su .		
C. Dry Tons = Tons (wet) X Solid Content (of the wet to D. Volatile Solids Reduction = $\frac{VS \text{ before } X \text{ VS}}{VX \text{ before}}$ (VS before	after	X 100		
NOTE: The total and volatile solid contents in the above equ		xpressed as a dec	cimal, for example:	

20% Total Solids = .20

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY	
0 0 2 1 0 1 6	1 0 1 9 9 2	5 2	

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS Metals	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical Page	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509 arameters		
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	1 1 3 4 3 1 1 2 7 4 6 8 1 1 2 7 4 6 8 1 1 4 0 0 0 1 1 6 3 0 0 1 1 5 5 1 5 1 0 9 3 1 3 4 6	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Chief Chemist
Name of Authorized Agent (Print) Title

Signature Startenito

JAN 7, 1993

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

.T-VWX-008 5/89

METALS AND SELECTED CHEMICAL PARAMETERS REPORT

DISCHARGE PERMIT NO.	REPORTING PERIOD Mo. Yr.	REPORTING CATEGORY
0 0 2 1 0 1 6	1 1 1 9 9 2	5 2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Press (Wet Air Oxidized) Sludge)

PARAMETERS <u>Metals</u>	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Arsenic Beryllium Cadmium Chromium Copper Iron Lead Mercury Molybdenum Nickel Selenium Zinc Selected Chemical Pa	01002 01012 61527 61512 61506 01045 61503 01260 01062 61515 61518 61509	1 1 6 7 1 1 3 7 1 4 5 8 1 6 7 8 7 1 1 3 1 6 0 9 8 5 0 0 1 0 9 1 1 0 9 1 1 9 2 9 1 9 2 2 1 9 2 2 1 9 2 2	* _ _ _
Total Nitrogen Ammonia Nitrogen Nitrate Nitrogen Oil and Grease Phenols Phosphorus Calcium Magnesium Potassium Cyanide Fluoride Chloride	00625 71845 71850 00550 46000 00665 00916 00927 00937 00720 00951 00940	1 1 9 1 4	

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Name of Authorized Agent (Print) Chief Chemist

Signature

Laboratory Name: Passaic Valley Sewerage Commissioners

Cert No. <u>07407</u>

New Jersey Department of Environmental Protection Division of Water Resources

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

DISCHARGE PERMIT NO.	REPORTIN	G PERIOD	REPORTING	
	Mo.	Yr.	CATEGORY	
10101211101161	111111	992	5	2

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's	39330 39350 39380 39370 39410 39782 39516 39400		* * * * * * * * * * * * * * * * * * * *
Toxaphene Purgeables Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride	34030 32102 32106 34423 34475 39180 39175		* * *
Base/Neutrals and Acids Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		* * * * * * * * * * * * * * * * * * * *

CERTIFICATE OF AUTHENTICITY

Chief Chemist, PVSC Arthur A.Martinelli Name of Authorized Agent (Print)

Title

Signature

Laboratory Name: Garden State Laboratories, Inc.

Cert No. 20044

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T-VWX-003 5/89

New Jersey Department of Environmental Protection Division of Water Resources

Page 1 of 2

TOXIC ORGANIC COMPOUNDS REPORT

FACILITY NAME: Passaic Valley Sewerage Commissioners

SLUDGE SAMPLING LOCATION: Filter Pressed (Wet Air Oxidized) Sludge

PARAMETERS Pesticides and PCB's	STORET CODE	TOTAL PHASE (dry weight basis, mg/kg)	NONE DETECTED
Aldrin Chlordane Dieldrin DDT Heptachlor Lindane PCB's Toxaphene	39330 39350 39380 39370 39410 39782 39516 39400		* * * * * * * * * * * * * * * * * * * *
Purgeables Benzene Carbon tetrachloride Chloroform Methylene Chloride Tetrachloroethylene Trichloroethylene Vinyl chloride	34030 32102 32106 34423 34475 39180 39175		* * *
Base/Neutrals and Acids Benzidine Benzo(a)pyrene Bis(2-ethylhexyl) phthalate Hexachlorobenzene Hexachlorobutadiene N-nitrosodimethylamine	39120 34247 39100 39700 39702 34438		*

CERTIFICATE OF AUTHENTICITY

Arthur A.Martinelli Chief Chemist. PVSC
Name of Authorized Agent (Print) Title

Signature

-Jan 20, 1993 Date

Laboratory Name: Garden State Laboratories, Inc.

Cert No. 20044

946420149